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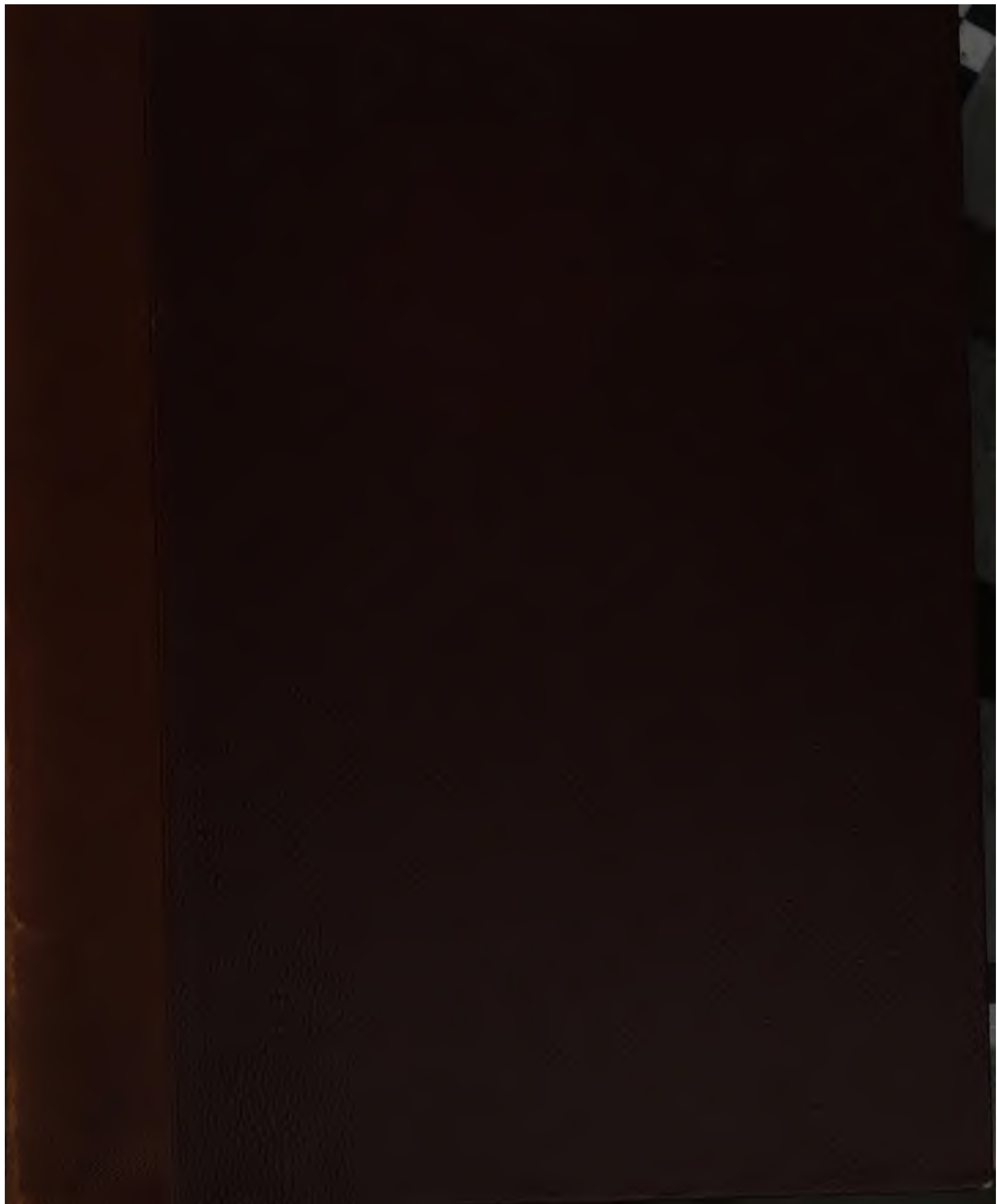
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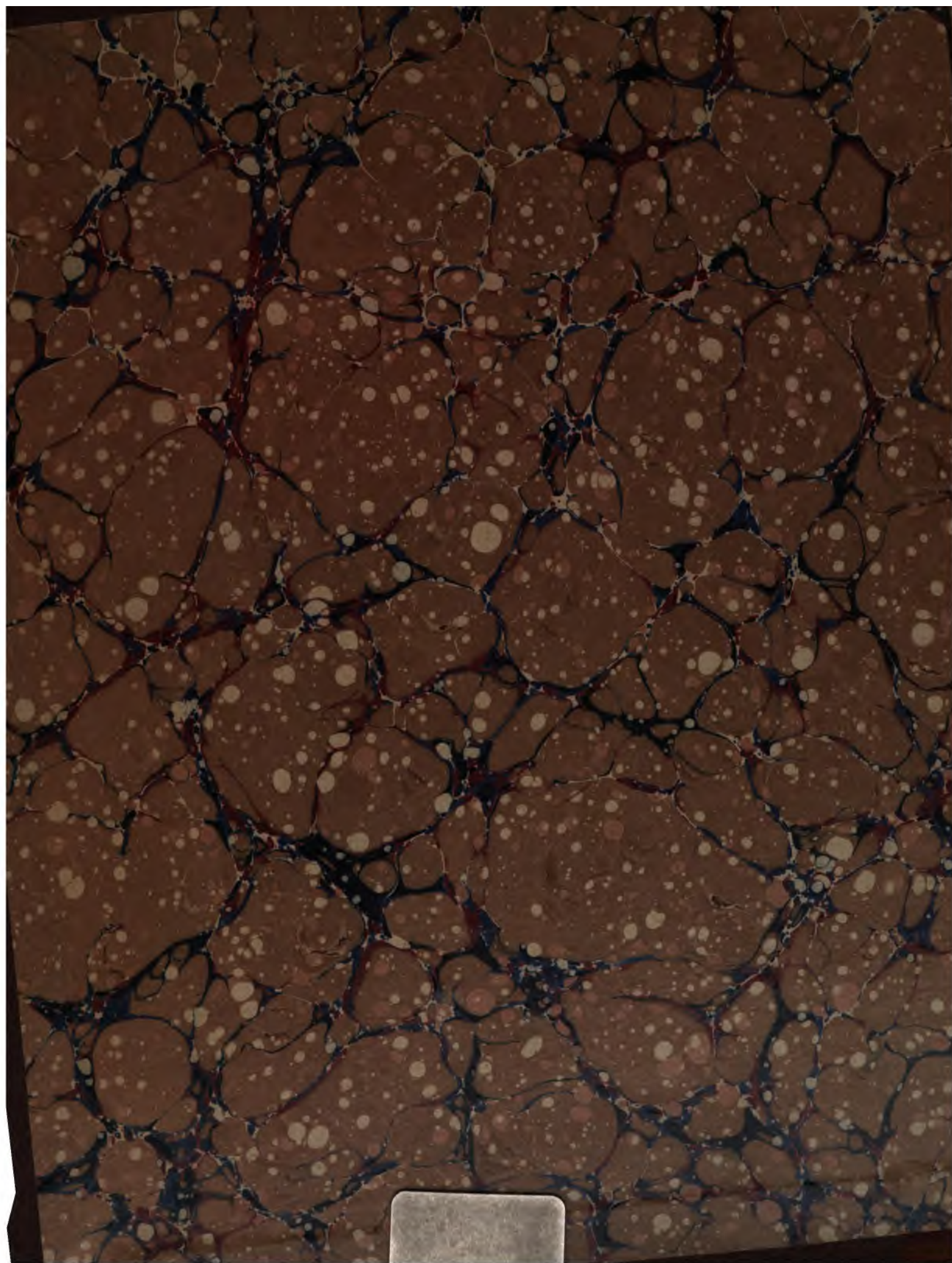
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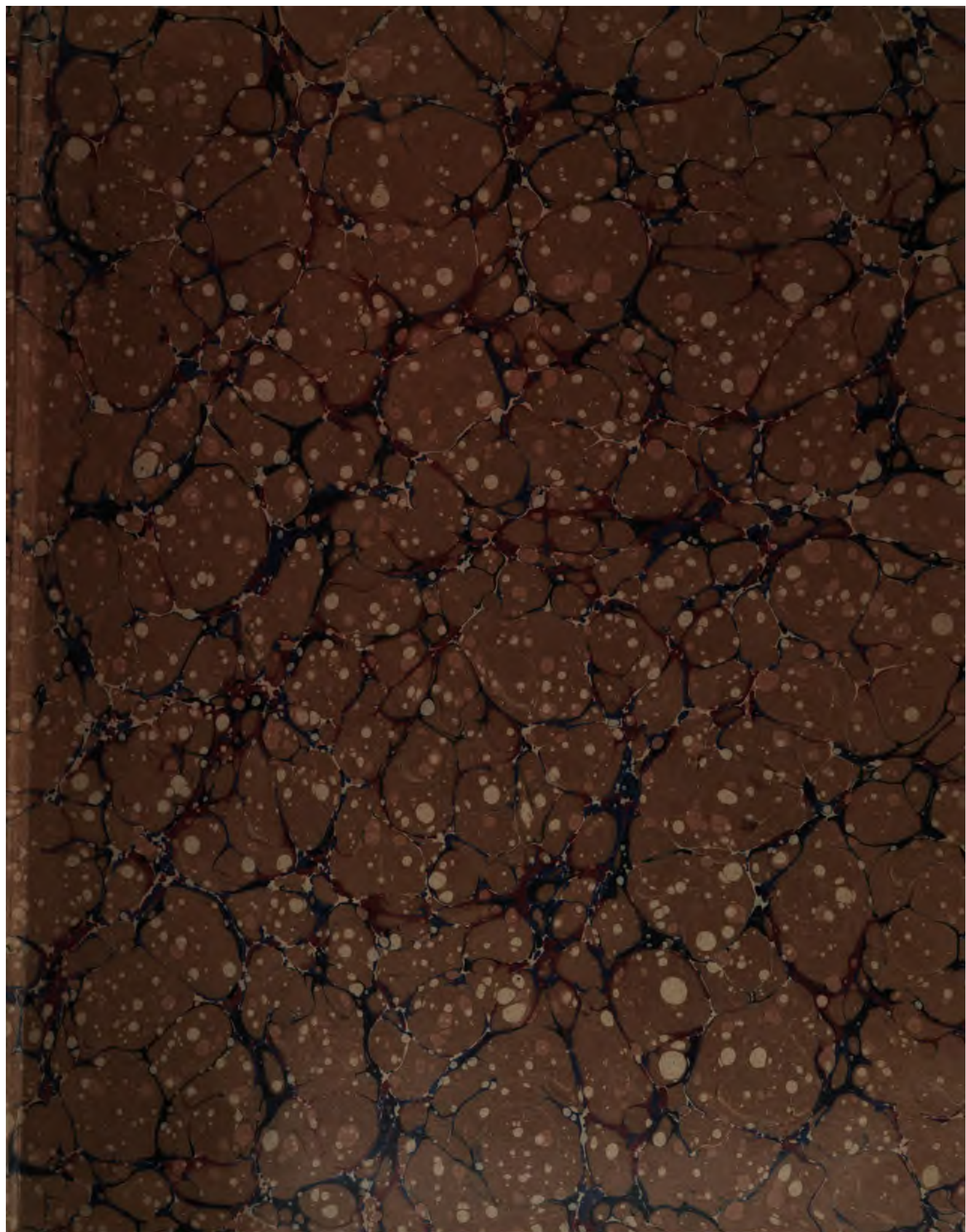
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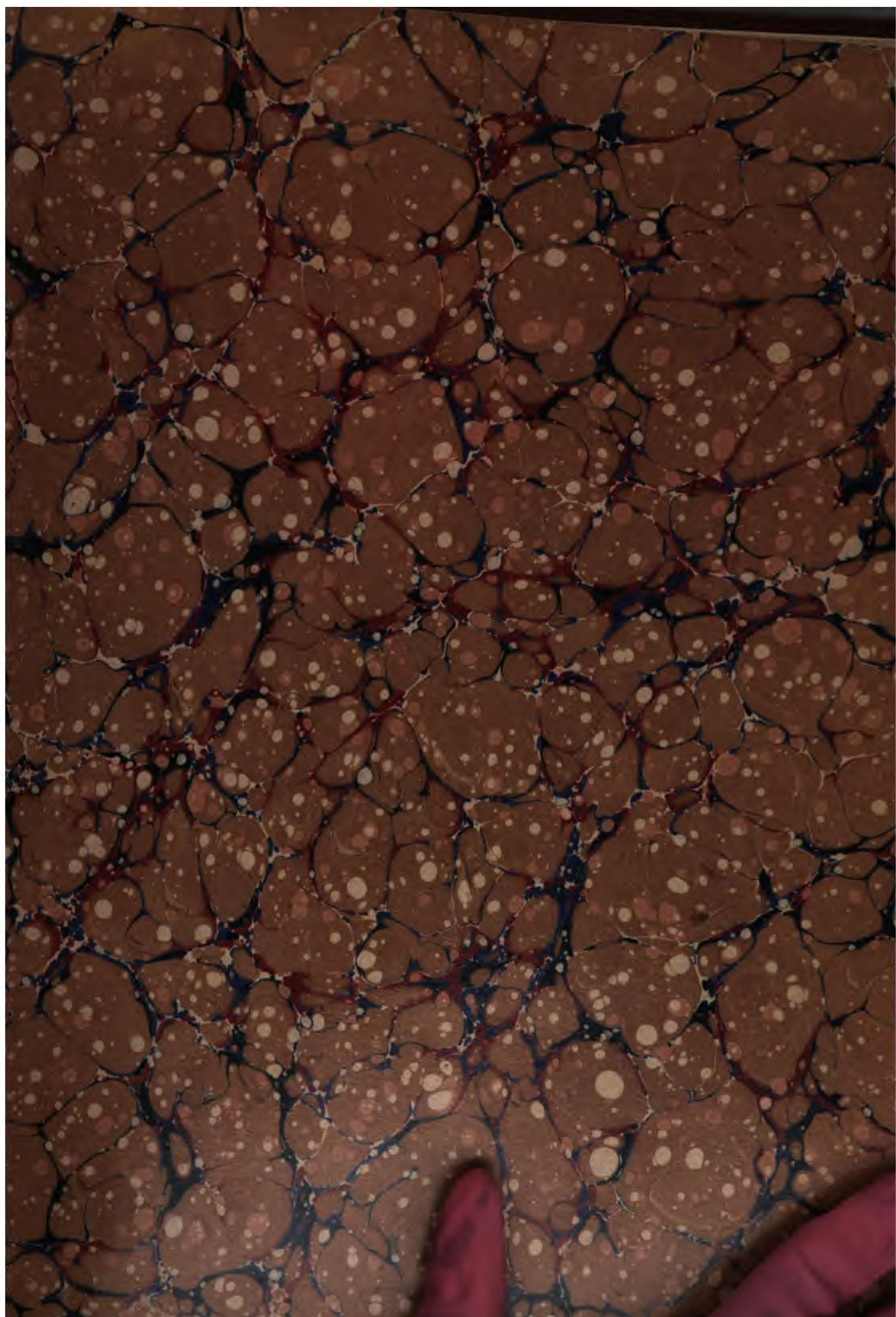
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A GENERAL CATALOGUE OF
DOUBLE STARS

WITHIN 121° OF THE NORTH POLE

BY
S. W. BURNHAM

PART I.
THE CATALOGUE



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INTRODUCTION

This catalogue in its first form was the result of my own needs soon after acquiring the six-inch Clark refractor in 1870. From the beginning that instrument was devoted almost entirely to the observation of double stars. Objects were constantly being found which could not be identified in any of the books at hand for reference, the principal one being an early edition of Webb's *Celestial Objects*. At this time there were but few books in Chicago bearing upon the subject of double stars. The old Dearborn Observatory, then under the directorship of Professor T. H. Safford, had a copy of Struve's *Mensurae Micrometricae*, some incomplete volumes of the *Astronomische Nachrichten*, and a few other works of minor importance. The small refractor showed many pairs, more or less difficult, which could not be found recorded in any of the available lists. At that time to make a complete catalogue of the then known double stars, it was necessary to first make pen copies of nearly everything required for this purpose. These were secured by visiting the libraries of the Naval and other observatories, and by borrowing the books from various quarters. In this laborious way manuscript copies were acquired of the material parts of nearly all publications relating to double stars. These copies included Struve's *Mensurae Micrometricae*, and *Positiones Mediae*; the Pulkowa Catalogue; the seven catalogues of Herschel II (*Memoirs R. A. S.*); the catalogues of Herschel, and Herschel and South (*Philosophical Transactions*); and a great number of minor lists and measures scattered through the volumes of the *Philosophical Transactions*, *Memoirs* and *Monthly Notices of the Royal Astronomical Society*, *Astronomische Nachrichten*; and hundreds of society, observatory, and other publications. In the course of time original copies of the more important of these works were picked up, and in the end a very complete library was formed of substantially everything relating to the known double stars. The manuscript general catalogue was kept continuously posted to date by the addition of all new stars and new measures from current publications. In order to make room for this new material, a second manuscript edition became necessary, and still later a third, which finally passed into the hands of the printer, and now appears in printed form.

The southern limit of -31° declination, adopted at the beginning, has been retained. This includes all the stars that can be well seen at the principal northern observatories. But little had been done then, and the situation is sensibly the same at this time, in the way of a thorough examination of the southern stars, and in the measurment of those previously catalogued by Herschel and others. The northern heavens were much better explored when Struve's great work appeared in 1837 than the southern portion is now after an interval of seventy years, notwithstanding the labors of Tebbutt, Russell, Sellors, See, Innes, and others; and a general catalogue of the known objects at this time would be of as little use as a similar work for the northern sky would have been if prepared at the conclusion of the researches at Dorpat. It is possible that by the end of the present century, the information then given by an examination of the stars to the eighth magnitude, and by the necessary re-measurement of the old and other known pairs, may make it worth while collecting all the material into a single catalogue for reference, provided a few zealous observers shall arise with an undivided interest in this special work, and with suitable advantages in the way of telescopes and locations. It would have served no useful purpose at the present time to have extended the limits of this catalogue to the south pole. All that is needed in this direction at this time has been supplied by Innes who has compiled a provisional reference catalogue of the more prominent southern doubles, with measures of 1898, printed in the *Annals* of the Royal Observatory, Cape of Good Hope, Vol. II.

PART I. CATALOGUE

The page of the catalogue is made up of eleven columns as follows:

Column 1.—General number for reference.

Column 2.—Name of the double star. When found in other catalogues the synonyms are given in Part II.

Column 3.—Identification in the various star catalogues. Nearly all the double stars originally given in the several catalogues of the Herschels, the Struves, South and others, which are below the naked-eye limit, are not identified by the authors in any of the then existing star catalogues. So far as possible the stars which are bright enough to be included in any of the modern star lists are identified in one or another, and given in this column.

Columns 4 and 5.—Right Ascension and Declination. In the original manuscript catalogue, prepared more than thirty years ago, the places of the stars catalogued down to that time were carried forward to 1880. As the particular epoch used in a catalogue of this kind is a matter of no practical importance, these places have not been changed. At that time none of the catalogues of the *Astronomische Gesellschaft* had been published; otherwise the date adopted might have been 1875. The *Durchmusterung* epoch of 1855 would have served the same purpose, as no reduction is necessary, at least beyond a rough mental estimate, either in setting the telescope on any star in the catalogue, or in identifying any unknown object.

The places of the Struve stars were originally taken from *Positiones Mediae*, so far as they are found in that catalogue, but most of them have since been checked by the more recent observations in the modern catalogues. The Struve stars whose positions depend upon the approximate places in *Mensurae Micrometricae*, have all been identified in the *Durchmusterung* and other star catalogues. This has been done for all the Otto Struve stars, and as far as possible for all the stars in the lists of Herschel, South, and other early observers. Many of the objects in the seven catalogues of Sir John Herschel are too faint to be given in the *Durchmusterung* and other meridian lists. The others have been identified, and the corrected places given.

There is another class of double stars, principally from the observations of comparatively modern observers, where no attempt seems to have been made, beyond perhaps reading the coarse circles of the equatorial, to identify the star or give the exact place. As many as possible of these stars have been identified; others are not in or very near the given places; and still others obviously have large and uncertain errors of place which will make their identification hereafter a matter of accident or good luck.

There seemed to be no object to be gained by giving the right ascensions any closer than the nearest whole second of time, since as a matter of fact a large number of these stars have a much greater uncertainty in place from the lack of meridian positions, and from the lack of knowledge of their proper motions; and to give the right ascensions to small fractions of a second would imply an accuracy which would be unwarranted by the material at hand. This is also true generally of the declinations. While perhaps for a greater part of the stars, the nearest tenth of a minute of arc might have been given, it would have had no significance in the case of several thousand stars; and in any event would not have made the catalogue any more useful for any conceivable purpose, practical or otherwise. In any investigation concerning the proper motion, or the exact place of the star, the original catalogues of position will of course be consulted.

All of the stars are north of the equator, unless otherwise indicated by the minus sign attached to the degrees of declination. The advantage of the omission of the plus sign for the northern stars in rapidly finding any star, either north or south, will be apparent to those who have had to do this frequently in catalogues where all the signs are given.

Columns 6 and 7.—Position-angle and distance. The measures, unless otherwise noted, are from the original list referred to by the name of the star in column 2. For the Struve and Otto Struve stars the measures cited are by these observers. Nearly all the closer stars by Sir William Herschel are embodied in Struve's great catalogue. Those having distances exceeding the Struve limit, and which are not found in the later lists of Herschel II and South, are given with the

measures or description of Herschel I. Many of these have been identified for this work, and are given with corrected places. A few of the others, from lack or vagueness of description, can not be identified with any certainty.

The measures of Sir John Herschel as a rule are confined to a single setting for the position-angle, and an estimate of the distance. Generally these angles are in fair agreement with later measures when these stars have been re-observed. Change could only come from proper motion in pairs of this class. Later measures will show whether or not some of the apparent changes are real. Most of the Herschel estimates of distances are too large, and particularly of stars under $10''$.

Column 8.—Magnitudes. The magnitudes of the components are given from the same source from which the measures are taken. The scale employed by Struve, Otto Struve, Dembowski, and all the later observers is practically the same. That of Herschel II gives much higher numerical values for the magnitudes of telescopic stars. He gives the following corresponding values derived from a large number of comparisons of his estimates with those of Struve:

H	Σ	H	Σ	H	Σ
6.0	= 5.5	10.0	= 8.8	14.0	= 10.5
6.5	= 5.9	10.5	= 9.1	14.5	= 10.7
7.0	= 6.4	11.0	= 9.3	15.0	= 10.9
7.5	= 6.8	11.5	= 9.6	16.0	= 11.1
8.0	= 7.3	12.0	= 9.8	17.0	= 11.4
8.5	= 7.7	12.5	= 10.0	18.0	= 11.6
9.0	= 8.1	13.0	= 10.2	19.0	= 11.8
9.5	= 8.5	13.5	= 10.4	20.0	= 12.0

It is a fact worth noting that there is no satisfactory evidence of variability in the relative magnitudes of the components of any real double star, although distant stars have been occasionally connected with other stars in which there is some change.

Column 9.—Date of measures cited in columns 6 and 7.

Column 10.—The astronomer whose observations are given, and the number of nights on which complete measures were made. In many instances the angle was measured on other nights, which enter into the mean result given, but it cannot be presumed that they add much, if anything, to the value of the mean when the difficulty of the object, from the closeness or inequality of the components, made it impossible or undesirable to attempt measures of distance. The number of nights attached to the measures cited in Part II is that on which complete measures of angle and distance were made.

Column 11.—Brief notes relating to the several components connected with the principal star; the colors given by Struve for his stars, by Dembowski for the Otto Struve stars; and references to the original authority from which the pair is taken when there are no subsequent measures and the citation is brief enough to be given in this column. There is too much uncertainty in most of the observations of color, particularly of the smaller stars, and of the larger stars where the color is not of a decided character, to make it worth while giving any comparison of the various results which would necessarily present large differences.

APPENDIX TO PART I

While this work was going through the press, a great many new double stars were found by Aitken and Hussey at the Lick Observatory, which were received too late for insertion in their proper places in Part I. For the sake of completeness, and by way of bringing the catalogue of known pairs down to the latest date possible (1906), it seemed desirable to add these discoveries in the form of an appendix to Part I, and this has accordingly been done. The star places are for 1900, as given in the several *Lick Observatory Bulletins* from which they are taken.

PART II. NOTES TO THE CATALOGUE

In all cases where the stars have been reobserved since the observation recorded in Part I, a sufficient number of measures are cited, to show the motion, where there has been any relative change, and as far as possible its character, and to show the unchanged relation of the components where this seems to appear from the observations to this time. In many instances, and particularly of the Dorpat stars, where the observations extend over three-fourths of a century, perhaps the citation of a smaller number of measures would have answered every purpose, but it seemed best to give too many rather than too few. For obvious reasons only the best measures by the best observers are selected as a rule, and those made on a single night have been generally rejected except when there was nothing else in point of time to take their places. It must be clear to everyone that the omission of all indifferent and superfluous observations necessarily adds to the value and usefulness of this work. The author has not been handicapped or limited in any way as to space to be used; and in the citation of observations, and in the comments relating thereto, he has omitted nothing that in his judgment would be worth giving. It goes without saying that a large number of the published measures of double stars should be rejected in any investigation or discussion as to the relative motion of the components. There need be no difficulty or hesitation in deciding as to the proper material to be used. If all the observations, good, bad, and indifferent, are employed in the computation of an orbit, it is certain that the value of the result will be correspondingly impaired, and no method of treating the doubtful material will prevent this.

A liberal use has been made of diagrams to illustrate the motion shown by the observations. These are accurately drawn to scale with a protractor, devised for this purpose, having a 12-inch circle and graduated arm, allowing the angles and distances to be laid down at the same time. The original drawing is then reduced to the proper scale in the camera, and the negative used to transfer the picture by contact to the block for engraving. These diagrams, therefore, may be taken as perfectly representing the actual measures selected from the best available material.

It will be apparent to anyone who will take the time to examine a sufficient number of pairs which were measured by the early observers, that as a rule these observations are very rough and more or less uncertain, and with errors too large to permit of their use in investigating the relative motion of the components. With the crude micrometers, driving-clocks, and equatorial instruments of the early part of the nineteenth century, and previous thereto, it is perhaps remarkable that the measures of that time are as good as they are, and it is doubtful if the astronomers of this day could do any better work with such tools. But there are too many instances where these early positions are known to be erroneous, or only very roughly approximate, to make it safe to rely upon them in fixing the position and limit of the apparent orbit of a binary system. The uniformly reliable and accurate measures of double stars begin with the work of the great Struve in his *Mensurae Micrometricae*.

It is intended to give references to all the measures of each star, and to the more important papers relating to them. Doubtless some citations may have been overlooked, but it is not likely that many important omissions of this kind will be found. When there are no later observations, and the reference is brief, it is given in the last column of Part I. For this reason, many pairs which are likely to be of interest hereafter, are not represented by any note in Part II.

In a general way the references to published observations may be said to end with those received early in 1906, but owing to the time required to pass Part II through the press, some of the series of measures printed in *Astronomische Nachrichten*, *Monthly Notices*, etc., are cited where they come in the later hours of right ascension.

It will be seen that the micrometrical work on double stars since the observations of Struve has not been wisely distributed. A vast amount of time has been practically wasted in the duplication of measures of prominent and familiar pairs, and in observing objects which need no attention except at long intervals. Much more would be known at this time of most of the double stars if the observing lists had been more carefully selected during the last sixty years.

In order to make this portion of the work independent of the Catalogue (Part I) for general use and reference, the minutes and seconds of right ascension are given on the side, with the hour

at the top of each page, so that any star can be found when its general number or right ascension is known without first consulting the tabular part.

As far as practicable the proper motions of the principal stars have been taken from the best sources of information, and to make them immediately available for double-star purposes, the values from meridian observations in right ascension and declination have been reduced to arc, and given with the direction of the motion in position-angle. Many of these proper motions are small, and probably somewhat uncertain in amount and direction, but in some instances they are confirmed generally by the measures of the companion, or of some star in the field. When these measures are separated by a considerable interval of time, as they are in many of the old pairs, the proper motion thus found should be very exact. Most of the comparison stars are relatively faint, and may be considered as practically fixed in space. The instances where the small star has any sensible proper motion of its own are comparatively rare, so far as appears from micrometrical measures, and when a different value is found for the primary from observations connecting it with some small star, it would be unsafe in the great majority of cases to infer that therefore the comparison star was moving in space. Examples of stars of very different brightness drifting at practically the same velocity are not uncommon, and presumably they have some physical relation to each other, even when they are separated by distances considerably exceeding that of any of the known binaries.

It was my purpose to present in Part II late measures of every important star of the older catalogues, including all of the pairs in the Dorpat and Pulkowa catalogues, as well as all the stars of the several classes in Herschel I which were too wide to be included in the *Mensurae Micrometricae*, and like pairs in the lists of South, and Herschel and South, and also the most prominent stars in the seven catalogues of Herschel II which from the magnitude of the primary and the estimated distance between the components would presumably make them worthy of re-observation. In the interest of this work I have given something more than five years' time with the 40-inch at the Yerkes Observatory; and nothing in the way of other micrometrical work, however important it might appear to be in the line of other investigations, has been allowed to interfere with carrying out this programme.

As would be expected, the time which could be given to this work of 104 nights per year, making altogether only about 1,200 observing hours, assuming every night to be clear throughout, proved to be insufficient to complete the observations of so extensive a working-list, although some eight or ten thousand measures were made of these stars.

This part of this work is greatly indebted to Professors R. G. Aitken and Eric Doolittle for a large number of very recent and unpublished measures of classes of stars where late measures are specially important. The measures at the Lick Observatory are generally of very close and difficult pairs, many of them in rapid motion, and nearly all of the class which can be better measured at that place than anywhere else. The observations at the Flower Observatory are largely of the pairs discovered by Professor Hough at the Dearborn Observatory, many of which have not been measured since the first position was published. Professor Hussey, while at the Lick Observatory (1898 to 1904), made a large number of measures of the Struve stars which are still unpublished, and these are given in the notes; and also a few measures made at the Kirkwood Observatory, principally by Professors John A. Miller and W. A. Cogshall.

APPENDIX TO PART II

This contains very recent measures of neglected stars, and those having considerable relative motion, which could not be given in Part II. These observations were principally made at the Lick, Flower, and Yerkes Observatories, and include only those of pairs where late positions are important to the completeness of this work.

The Appendix also contains some measures from printed observations which were published after a portion of Part II was in type. These include the first part of Doolittle's measures in *Publications of the Flower Observatory*, Vol. II, and a few measures by Biesbroeck, Espin and others.

The Greenwich *New Reduction of Groombridge's Catalogue of Circumpolar Stars*, received too late for use in Part II, contains a large number of proper motions not found in other catalogues, and the more important of these are given in the Appendix.

NUMBER OF DOUBLE STARS

The total number of real double stars now catalogued is necessarily very uncertain, and no safe approximation can be made, if this class is limited to physical systems, or those which are likely to belong to that order, judging from observations now made, the relative magnitudes and distances of the components, and their common proper motions where movement in space has been shown by meridian positions. It is certain that of the 13,655 stars contained in this Catalogue, at least several thousand are only optical or accidental pairs, and can have no physical relation to each other. This includes nearly all the pairs of Herschel II, as well as of Herschel I which are not included in *Mensurae Micrometricae*; many of the Struve and Otto Struve stars; and more or less from all the modern lists. The question of drawing some kind of arbitrary line between what might be presumed to be physical systems, and those which it was practically certain could not belong to that class, was considered at an early day in the preparation of this work. It was soon apparent from a practical application of the principles which were supposed to govern a judicious separation of the material into these two classes that it could not be successfully done. A too liberal application of the rule would reject a comparatively small number and so accomplish but little in reducing the size of the catalogue; while on the other hand a rigid enforcement would necessarily exclude many stars which are of some interest at least, in consequence of changes already shown from proper motion. Then again, the names of the great astronomers attached to these stars entitle them to a place in the first general catalogue of double stars, independent of any consideration of the stars themselves. I have therefore included them all, and as far as possible re-measured the large number of neglected pairs of the old observers for this work.

The distribution in the several hours of right ascension of the 13,655 stars north and south of the equator is shown in the following table:

R. A.	+ Decl.	- Decl.	Total	R. A.	+ Decl.	- Decl.	Total
0 ^h	513	132	645	12 ^h	257	112	369
1	432	141	573	13	233	124	357
2	403	112	515	14	311	126	437
3	392	123	515	15	277	145	422
4	404	143	547	16	302	119	421
5	468	221	689	17	316	180	496
6	442	271	713	18	505	209	714
7	368	266	634	19	718	204	922
8	336	181	517	20	693	196	889
9	277	127	404	21	617	191	808
10	267	104	374	22	574	132	706
11	270	98	368	23	479	151	630
				Total	9,854	3,811	13,655

It would not be difficult, by a sorting-out and arrangement of the supposed classes of doubles with reference to the distribution in the heavens, to deduce various inferences based upon such statistics. But it seems certain at this time, with the extremely limited information furnished by all the discoveries and observations, that all such conclusions would be idle and useless. The time will doubtless come when the researches in stellar systems and stellar movements can be turned to good account in generalizations as to the construction and extent of the universe of stars. At present we know but little about less than two score of the binary systems, and practically nothing in detail of the hundreds and perhaps thousands of other pairs belonging to this class. The great majority of proper motions are more or less uncertain in direction and amount. With few exceptions, the dis-

tances from the solar system are wholly unknown, and are likely to remain so until by some new method the present errors of observation can be greatly reduced. In addition to all this it must be remembered that the apparent distribution of the stars in right ascension is influenced by conditions which have nothing to do with the real number of these objects, or with the actual number of stars catalogued in the given area. The season of the year when a particular part of the sky can be examined, particularly in the first half of the night, the length of the nights, the probable proportion of clear nights, and to some extent the mean temperature in the colder season, all have an influence on discoveries as well as measures. Practically nothing has been done in the way of finding close pairs in the stars below the ninth magnitude except at the Lick Observatory, and there it has been almost wholly confined to stars north of the equator. Only large apertures, in exceptionally favored localities, can successfully carry on such work. All the stars of this class are of comparatively recent discovery, and nothing is known as to what rank they will take in the physical class of double stars. At present all that is needed for all the double stars, old and new, and of all orders of brightness, is careful and systematic measurement. When this has been carried far enough to furnish the necessary facts, theories and speculations will be in order, and doubtless this part of the subject will be properly attended to by the astronomers of future centuries when it shall be warranted by the necessary preliminary work of their predecessors.

ORBITS OF BINARY STARS

In the indexes to the several classes of double stars will be found a list of 88 systems for which orbits have been found. Of this number only 34, marked (*), can be regarded as of any value. These may be considered as giving the periods and other elements with substantial correctness; but at the best they are only provisional, and will be supplanted at no very distant time by investigations based upon a continuation of careful and accurate measures of these systems. The observations of another half-century should determine the elements of all these orbits with very little error. As to the remaining 54 systems, the periods and all the elements of the orbits are wholly uncertain and worthless. They cannot be regarded as even approximations, since there is nothing in the given data to warrant a guess as to what will be the future relative motion of the components. In fact, in some instances it is not certain that they are physical systems at all. For anything that appears the change may be due to proper motion. Generally speaking, the arc described by the companion must be at least 270° to give results entitled to any confidence, but frequently this is insufficient, and in such cases nearly a complete revolution must be made before the apparent ellipse can be certainly known. When the described arc is short, the agreement of the observed and computed places does not even tend to prove that the deduced orbit is approximately correct, or anything like the real orbit. In such cases a great variety of ellipses, entirely dissimilar in all respects, will represent the observed positions equally well, and with errors of observation less than those which are probable in the measures by the best observers with the most complete and powerful equatorials. It did not seem worth while taking space to give the elements of these orbits, other than the periods. The place of publication is always cited, and the details of the results can be readily referred to.

BINARY SYSTEMS

The list of binaries does not include those for which orbits have been computed. It is evident that it is not easy to draw a sharp line between binary stars, and those which are probably binary. It is a matter of judgment, based upon the best observations, in reference to which opinions might well differ. The list of probable binaries might be very considerably extended by including many stars which are presumably physically related from the observed relative motion, and the closeness of the components. This is not a safe conclusion, whatever the probabilities may be in its favor. Stars which are widely separated now by reason of the proper motion of one of the components, at one time formed very close pairs, and the rapid angular change then might readily have been mistaken for orbital motion.

Many of the stars in these two lists, discovered in the last twenty or thirty years, have shown rapid motion, and it is probable that a good many new orbits can be investigated in the near future, if these stars, which are generally of the close and difficult class, are properly followed with the micrometer.

INDEXES

The index to the new stars discovered since Struve needs no explanation. These stars will be readily found by their numbers in Part I. The shorter and minor discoveries are given at the end in alphabetical order. The Struve stars are easily found in the catalogue or in the notes, except those which from precession or supplemental numbering are shifted from the regular numerical order, and these are given in the index with the corresponding general number in the catalogue.

As the prominent naked-eye stars are generally referred to by the constellation letters and numbers, and not by the corresponding double-star number, an index, with the constellations arranged in alphabetical order, is essential to the rapid finding of these stars in the catalogue without a knowledge of their right ascensions. Only the bright stars which are known by the Bayer Greek letter, or the Flamsteed number are given in the list. The few other doubles in the catalogue which are as bright as the sixth magnitude, but not included in the Flamsteed numbers, are not given, as they would necessarily be referred to by the double star lists from which they are taken.

These large stars appear in column 8 of the catalogue with the magnitudes assigned by the respective observers. In the index to the constellations the photometric magnitudes are given from the Harvard and Potsdam observations.

In this connection attention should be called to the careless and incorrect way in which the Bode constellation numbers are frequently printed in prominent astronomical publications. That number should always follow the name of the constellation, while the Flamsteed number should precede it. This correct method was established at least three-fourths of a century ago, but in recent years many writers have made no distinction, and have thus given the name of an entirely different star from the one referred to. Many of the double stars in this catalogue have the same Flamsteed and Bode numeral, as for example:

11 <i>Aquilae</i>	= Σ 2424	No. 8940
<i>Aquilae</i> 11	= Σ 2411	8878
20 <i>Pegasi</i>	= H 289	11428
<i>Pegasi</i> 20	= Σ 2799	11001
9 <i>Cygni</i>	= H 1493	9470
<i>Cygni</i> 9	= Σ 2496	9185
18 <i>Cygni</i>	= Σ 2579	9605
<i>Cygni</i> 18	= Σ 2522	9305
49 <i>Cassiopeiae</i>	= β 785	1051
<i>Cassiopeiae</i> 49	= Σ 30	205
32 <i>Herculis</i>	= β 878	7677
<i>Herculis</i> 32	= Σ 2024	7553

In certain parallax observations of Σ 2486, that star is often called 6 *Cygni*, in spite of the facts that 6 *Cygni* is one of the prominent stars of this constellation, is a double star of another class, and is more than 20° distant from the other. The Bode catalogue is no longer used for reference, but it is desirable to retain these numbers used by the old observers; and to avoid error and confusion they should be written as they were by these astronomers.

PRECESSION TABLES

It has been suggested that for the convenience of many persons who may use this catalogue, it would be desirable to add precession tables. Even if the limits of the page in Part I had permitted giving this information for each star, it would obviously be much better for all practical uses of the catalogue to give this in the present condensed form, which is sufficiently exact for the certain identification of every object in the sky, and in other star catalogues.

The tables for precession in right ascension (from 0° to 60° declination) are taken from the compilation and arrangement printed in *Publications of the Washburn Observatory*, Vol. I. The

precession in right ascension between 60° and 70° of declination, and precession in declination are derived from the tables given in Oeltzen's Argelander's Northern Zones (45° to 80°).

IN CONCLUSION

I wish to express my obligations to Professor George E. Hale for his friendly interest in this work, and his valuable aid in bringing about its publication; to the officers of the Carnegie Institution for their liberality in authorizing its presentation in printed form in the manner desired by the author; and to Professor Edwin B. Frost for his counsels and assistance during the prosecution of the observations at the Yerkes Observatory, and the passage of the manuscript through the press.

S. W. BURNHAM.

THE UNIVERSITY OF CHICAGO
Yerkes Observatory,
July, 1906.

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I. STARS DISCOVERED BY MODERN OBSERVERS

no.	β	A	Hu	Ho	Ox	See	A. G.	Hd	Hn	Es	Kr	Ku	Howe	Stone	Weisse	Arg
1	455	888	4	53	56	12751	121	20	80	88	45	7792	490	32	114	27
2	617	2353	18	266	70	13	230	50	190	246	....	9518	660	220	459	403
3	662	4091	111	283	105	....	280	59	399	297	85	6	681	463	699	495
4	714	5078	183	446	104	162	301	66	500	780	137	109	810	471	2288	800
5	854	5730	356	571	131	....	310	68	552	939	....	190	811	1201	2483	802
6	913	5797	719	657	152	....	319	79	823	1046	....	370	1305	1599	2490	978
7	1034	5799	771	757	157	....	397	84	1241	1243	240	470	1411	2216	2612	1112
8	1226	5907	852	764	193	196	460	89	1723	1376	....	723	1852	2233	2638	1326
9	1418	5913	873	773	197	....	465	107	1778	1406	....	1213	2054	2314	2853	1412
10	1460	6378	890	1033	212	547	514	113	1984	1539	625	1294	2090	2707	2891	1553
1	1549	6436	914	1038	245	696	533	119	5534	1607	684	1520	2311	2950	3026	2359
2	1699	6542	985	1059	260	708	534	123	6142	1877	858	1536	2632	3018	3417	3154
3	2823	6636	1035	1516	262	721	536	124	6168	2325	1071	1615	3505	3351	3506	3165
4	2905	7090	1086	1754	279	778	567	158	6344	2437	1331	1685	3522	3535	3882	3403
5	2980	7173	1092	2164	317	874	608	174	6520	3612	1495	1861	3614	3609	3957	3502
6	3116	7204	1118	2422	349	1102	710	179	6727	3732	....	1931	3617	3727	4321	3677
7	3186	7248	1132	2441	357	1147	712	186	6740	3756	1528	2164	3938	4061	4325	4082
8	3275	7261	1283	2635	374	....	769	203	6808	4595	1547	2228	4143	4469	4438	4563
9	3569	7365	1651	2955	385	1387	776	204	6969	6836	....	2349	4411	5173	4636	4623
20	3635	7395	1681	3038	479	1467	795	209	6990	8287	1721	2466	4422	5604	4871	4639
1	4074	7405	1706	3089	541	1473	821	210	7053	8652	1894	2525	4542	5635	4993	4825
2	4108	7446	1796	3230	584	1621	895	293	7094	8796	2091	2697	4551	5756	5309	5082
3	4405	7569	1847	3235	609	1659	920	299	7135	9675	2205	3004	4935	6164	5327	5265
4	4849	7594	1960	3279	614	....	972	300	7234	9909	2263	3013	5238	6266	5490	5708
5	5407	7618	1967	3326	...	1722	1011	311	7343	9919	2404	3364	5656	6275	5588	5767
6	5766	7704	1971	3651	644	1760	1014	312	7692	10036	2641	3413	6139	6297	5641	6462
7	6129	7750	1976	3707	643	1765	1018	313	7813	10045	2912	3556	6416	6323	5865	7159
8	6185	7958	1978	3717	652	1785	1031	321	7981	10152	....	3939	6657	6427	7154	7350
9	6214	8019	1979	3810	687	....	1084	333	8043	10171	3726	4015	6708	6468	7342	7521
30	6690	8042	2096	3871	747	....	1096	338	8080	10521	4744	4137	6718	6484	7512	8110
1	7040	8141	2380	3891	804	....	1103	341	8085	10554	4757	4671	6790	6853	7764	8294
2	7222	8142	2409	3897	837	....	1109	344	8293	10756	4784	4717	6791	7622	8296	8685
3	7293	8151	2571	3968	826	1911	1135	407	8960	11071	5211	4799	6798	7921	8889	9039
4	7293	8269	2595	4099	892	2099	1191	428	9150	11120	5252	4843	6950	7931	9548	9153
5	7359	8305	2629	4172	884	....	1196	432	9255	11181	....	5457	7324	8046	10269	9806
6	7418	8406	2643	4252	987	2153	1216	435	9708	11262	5403	5703	7339	8122	10348	10014
7	7476	8409	2865	4279	1057	2245	1223	470	9928	12663	....	5774	7347	8178	10420	10122
8	7478	8442	2937	4488	1070	2292	1239	472	10241	12670	5817	5780	7840	8277	11701	10133
9	7502	8959	2956	4536	1178	2365	1261	492	10383	12707	5821	5850	8020	8289	12269	10477
40	7530	8967	3009	4808	1221	....	1293	492	10443	51	5908	5928	8185	8300	12371	10585
1	7603	8970	3458	4910	1278	2410	1306	509	10525	125	6364	5966	8200	8346	12507	10592
2	7712	8978	3463	4977	1299	....	1313	565	10578	167	6555	6043	8462	8506	12577	10785
3	7763	9658	3466	5018	1365	....	1350	596	10579	403	7023	6276	8590	8656	12582	11238
4	7915	9733	3537	5346	1375	2485	1363	664	10972	491	....	6381	8823	8750	12643	11824
5	7952	9844	3570	5366	1378	....	1366	677	11028	530	....	6535	8973	9082	12680	12140
6	7994	10159	3573	5631	1449	2545	1367	679	11102	838	7988	6661	9128	9293	12714	12674
7	8288	10211	3812	5651	1450	2563	1371	686	11138	1133	8248	6667	9219	9508		
8	8488	1846	3835	5657	1466	2599	1380	694	11279	1111	....	6974	9240	9588		
9	8520	2002	4055	5658	1526	2649	1382	715	11307	1246	10093	6994	9423	9592		

No.	μ	A	Hu	Ho	Ox	See	A. G.	Hd	Hn	Es	Kr	Ku	Howe	Stone
50	8710	2564	4078	5705	1568	2660	1414	748	11318	1395	10126	7281	9527	10272
1	8804	2578	4243	5810	1598	....	1423	750	11823	1434	10516	7381	9587	10345
2	9009	2633	4270	6133	1614	....	1435	952	11856	1669	10547	7582	9728	10358
3	9424	2654	4316	6151	1639	2759	1446	955	11981	1680	....	7616	10082	10505
4	9507	3178	4336	6244	1710	2814	1451	975	12006	1775	11132	7743	10190	10852
5	9594	3201	5073	6428	1715	....	1456	999	12101	2008	11314	7765	10626	11254
6	9864	3217	5087	6665	1729	3024	1474	1142	12104	2289	11331	8225	11000	11398
7	9884	3592	6923	6761	1755	3066	1478	1167	12192	2403	11635	9160	11188	11583
8	9924	3626	8446	6774	1766	3128	1481	1425	12459	2455	11672	9910	11249	12086
9	10047	3644	8465	6973	1797	3132	1496	1488	12683	2631	11748	10255	11422	12377
												10957	11489	
												11000	11644	
60	10207	3645	8473	7177	1793	....	1525	1491	12696	2653	11761	11351	12146	
1	10228	3704	8478	7217	1828	....	1564	1497	309	2663	11830	11567	12342	
2	10247	5204	8499	7235	1849	3222	1569	1541	540	2685	12156	11681	12692	
3	10266	5262	8523	7328	1864	3228	1606	1867	1316	2809	....	11747		
4	10487	5294	8532	7656	1897	3244	1622	2005	1417	2922	12287	12054		
5	10520	5381	8586	7789	1900	....	1666	2006	1748	3350	12438			
6	10538	5512	8575	7848	1906	....	1670	2046	1925	3386	....		
7	10566	5536	8577	7950	1927	3419	1714	2196	1947	3627	12753			
8	10669	5616	8589	8051	1961	3453	1750	2366	1951	3637				
9	10689	5670	8592	8101	1966	....	1758	2778	1957	3638				
70	10714	5795	8668	8158	1998	....	1817	2785	1970	4432				
1	10782	5832	8958	8232	2022	3695	1819	2795	1972	4468				
2	11006	5834	9205	8245	2043	3722	1823	2797	2021	4899				
3	11026	5839	9250	8259	2073	3772	1840	2804	2702	6051				
4	11068	5877	9268	8276	2068	3776	1896	2818	2708	6117				
5	11346	5957	9336	8286	2092	3969	1958	2859	2753	6143				
6	11756	6031	9578	8309	2095	4009	1981	2877	2824	7756				
7	11803	6054	9646	8322	2093	....	1994	2897	2953	7894				
8	12176	6170	9812	8352	2097	4033	2055	2899	2993	8283				
9	12276	6172	9817	8363	2134	4071	2119	2949	3316	8351				
80	12290	6567	9930	8397	2146	4112	2235	3088	3511	9284				
1	12443	7133	10599	8407	2163	4119	2322	3151	3531	9331				
2	758	7275	10629	8422	2154	....	2339	3312	3661	9333				
3	1420	8410	10638	8534	2225	4156	2453	3538	3665	9625				
4	1640	8436	10734	8545	2236	4207	2454	3574	3805	9661				
5	1943	8546	10776	8552	2257	4240	2482	3578	3910	9883				
6	2100	8559	10895	8648	2270	4281	2484	3597	3932	9914				
7	2149	8612	11078	8698	2271	4292	2486	3598	3996	9970				
8	2287	8679	11117	8764	2394	....	2492	3599	4000	10406				
9	2863	8737	11288	8901	2425	....	2518	3610	4198	10411				
90	2857	8768	11859	8915	2415	4354	2552	3620	4214	10433				
1	2961	8813	11928	8936	2428	....	2555	3658	4217	10475				
2	2970	8880	11942	8982	2445	....	2589	3680	4342	10477				
3	2979	8883	12011	8987	2464	....	2621	3740	4373	10552				
4	3008	9047	12168	8998	2504	....	2689	3781	4381	10570				
5	3029	9077	12318	9032	2509	4412	2800	3773	4540	10628				
6	3271	9100	12568	9036	2516	....	2805	3791	4617	10727				
7	3355	9108	12602	9044	2506	....	2810	3838	4690	10870				
8	3452	9121	12646	9059	2535	....	2811	3859	5076	10918				
9	3760	9147	12665	9060	2549	....	2884	3864	5213	11020				

I. Stars Discovered by Modern Observers

No.	β	A	Hu	Ho	Ox	See	A. G.	Hd	Hu	Es
100	3764	9163	12733	9069	2554	....	2988	3865	5367	11021
1	4310	9209	1736	9131	2566	4716	3014	3867	5375	11108
2	4538	9231	1773	9187	2592	....	3057	3959	5396	11128
3	4853	9257	1831	9191	2623	....	3094	3978	5401	11494
4	4966	9271	2351	9231	2668	....	3104	4053	5402	11698
5	5062	9422	2918	9252	2676	4772	3144	4060	5417	11809
6	7012	9482	3199	9323	2684	4762	3189	4153	....	11882
7	247	9471	3265	9397	2729	4862	3215	4167	5488	12158
8	292	9596	3283	9409	2756	....	3223	4187	5513	12364
9	364	12395	3371	9483	2816	....	3297	4300	5540	12421
110	711	12745	3376	9491	2817	....	3334	4303	5555	12431
1	5559	270	3769	9512	2825	....	3348	4350	5606	12480
2	6345	809	3795	9523	2866	....	3374	4356	....	12671
3	6500	2258	3955	9543	2885	5122	3384	4455	5958	22
4	6528	2331	4225	9619	2903	....	3398	4473	....	29
5	6616	2431	4504	9725	2936	....	3399	4509	....	166
6	6811	2911	4582	9736	2941	5204	3473	4510	....	250
7	6896	2925	4672	9853	2960	....	3517	4511	6276	290
8	7041	2931	4722	9856	2972	....	3524	4532	....	473
9	7117	3091	4766	9951	2975	....	3576	4756	....	668
120	7533	3102	4773	10001	3023	....	3589	4852	7039	1428
1	7336	3173	4781	10002	3062	....	3591	4952	....	1734
2	7340	3583	4873	10037	3035	....	3623	5009	7312	2000
3	7786	4943	4902	10050	3033	....	3655	5075	7357	5887
4	7887	4989	4954	10118	3078	....	3699	5284	....	6103
5	7891	5026	4997	10116	3083	....	3708	5319	7458	6380
6	7943	5031	5022	10121	3081	....	3712	5325	7462	8758
7	7951	5040	5132	10150	3092	....	3718	5331	7494	8875
8	8000	5091	5636	10180	3099	....	3724	5524	7577	9200
9	8014	5092	5737	10219	3133	....	3753	5800	7607	9438
130	8235	5115	5742	10220	3139	....	3756	5823	7620	9668
1	8414	5146	5845	10240	3142	....	3765	6127	....	9764
2	8390	5591	6000	10294	3148	....	3770	6131	7933	9997
3	8549	5630	6071	10295	3159	....	3778	6139	7980	10014
4	8571	5634	6219	10357	3176	....	3787	6238	7989	10541
5	8670	5717	6273	10407	3245	5916	3808	6297	7997	10619
6	8740	5745	6279	10408	3322	....	3816	6443	....	10682
7	8909	5776	6356	10430	3313	....	3822	6473	8084	10930
8	9106	5782	6781	10469	3335	....	3983	6857	8103	10941
9	9116	5826	6792	10482	3353	....	3997	6896	8227	10940
140	9154	5898	6906	10492	3372	....	4041	7340	8275	11147
1	9253	5999	7010	10517	3405	....	4057	7519	8419	11202
2	9313	6056	7054	10532	3410	....	4200	7678	8427	11332
3	9387	6096	7142	10531	3422	....	4208	7846	8458	11333
4	9481	6098	7147	10581	3431	....	4297	7946	8533	11357
5	9524	6123	7188	10587	3437	....	4315	7973	8730	11407
6	9590	6320	7231	10598	3440	....	4339	8000	8744	11587
7	9623	6807	7240	10667	3443	....	4428	8214	8823	11714
8	9663	6845	7255	10672	3456	....	4435	8332	8839	11790
9	9769	6860	7266	10739	3474	....	4441	8371	9226	12495

No.	β	A	Hu	Ho	OZ	See	A. G.	Hd	Hn	Es	No.	β	A	Hu	Ho	OZ	See	A. G.
150	9973	9087	7282	10753	3497	6152	4462	8965	9239	12536	200	4164	12251	10372	12403	5055	6743	7483
1	10363	9097	7311	10788	3507	....	4483	8991	9255		1	4192	12256	462	12462	5056	....	7499
2	10488	9099	7397	10817	3518	6163	4635	9111	9367		2	4409	12293	535	12476	5067	6782	7508
3	10500	9126	7406	10879	3550	....	4669	9364	9720		3	4413	12734	1311	12486	5120	6743	7523
4	10574	9129	7485	10887	3562	....	4682	9497	9867		4	4494	555	1412	12606	5164	....	7694
5	10588	9175	7507	10909	3584	....	4797	9741	9878		5	4668	1152	1419	12621	5177	....	7745
6	10696	9176	7528	10931	3601	....	4802	9886	9888		6	4684	1177	1437	12667	5178	....	7770
7	10727	9182	7584	10949	3615	....	4804	10352	10019		7	4708	1190	1769	12669	5219	....	7802
8	10743	9190	7629	10965	3641	....	4833	10398	10128		8	4714	1511	1857	12697	5223	....	7875
9	10808	9327	7788	10993	3678	....	4845	10419	10248		9	4730	1524	1876	12703	5232	....	8034
160	10824	9351	7809	11003	3681	....	4907	10478	10295		210	4867	2569	1989	194	5281	....	8091
1	10855	9378	7811	11040	3690	....	4918	10507	10297		1	4901	2580	2029	278	5304	....	8109
2	10871	9430	7812	11053	3752	....	4925	10765	10455		2	5001	2601	2067	314	5345	....	8123
3	10880	9443	7829	11085	3768	....	4976	10778	10472		3	5106	2569	2131	551	5349	7003	8161
4	10969	9478	7844	11173	3821	....	5051	10844	10496		4	5181	3117	2360	606	5398	....	8190
5	11056	9490	7851	11179	3844	....	5053	10976	10651		5	5244	3131	2436	624	5365	....	8239
6	11076	9510	7862	11210	3876	....	5088	11056	10975		6	5263	3448	2540	1264	5409	....	8362
7	11088	9530	7879	11216	3880	....	5102	11207	11186		7	5325	3472	2746	1442	5431	....	8437
8	11317	9709	7880	11244	3878	....	5117	11317	11413		8	5329	3554	3393	1465	5437	....	8484
9	11369	9807	7890	11281	3931	....	5189	11476	11768		9	5408	3577	3464	1506	5444	....	8486
170	11512	10287	7897	11297	3949	....	5250	11596	12218		220	5702	3686	3486	1954	5445	....	8492
1	11580	10480	7919	11311	4043	....	5258	11896	12277		1	6421	5016	3884	1996	5461	....	8497
2	11691	10489	7934	11315	4073	....	5629	11950			2	6443	5077	4372	2444	5493	7175	8516
3	11738	10502	7967	11345	4120	....	5637	12012			3	6610	5079	4391	2500	5500	7178	8583
4	11750	10518	7990	11365	4129	6437	5760	12114			4	6766	5125	4552	2491	5515	....	8708
5	11832	10630	8010	11436	4130	....	5835	12331			5	6857	7585	4888	2676	5517	....	8729
6	11920	10666	8033	11440	4181	....	6106	12360			6	6941	7635	4922	2721	5519	7197	8865
7	12012	10711	8035	11451	4191	....	6160	12452			7	7201	7762	4953	3055	5527	7198	9037
8	12046	10726	8048	11555	....	....	6191	12565			8	7208	7871	5118	3141	5558	....	9183
9	12108	10805	8056	11566	4226	....	6201	12566			9	12308	7889	5169	3276	5560	....	9242
180	12177	11183	8064	11620	4238	....	6221				230	332	7892	5246	3290	5599	7221	9280
1	12231	11250	8089	11640	4232	....	6269				1	395	7949	5286	3309	5695	....	9353
2	12274	11300	8096	11687	4312	....	6272				2	440	7978	5899	3324	5714	7228	9435
3	995	11492	8104	11705	4322	....	6355				3	487	8133	7797	3337	5733	7239	9446
4	2222	11629	8106	11727	4265	....	6361				4	531	8221	8012	3475	5805	....	9449
5	2286	11658	8121	11724	4355	....	6394				5	614	8230	8271	3477	5811	....	9564
6	2350	11665	8154	11844	4399	6559	6441				6	633	8238	8278	3536	5837	....	9568
7	2466	11760	8165	11884	4406	....	6491				7	5490	8399	8509	3560	5859	....	9595
8	2639	11918	8188	11893	4505	....	6497				8	6912	8411	8515	3593	5986	7301	9652
9	2670	11969	8207	11965	4489	6653	6519				9	7070	8424	8547	3630	5895	....	9656
190	2673	12047	8250	11987	4552	6659	6554				240	7380	8470	8558	3690	5955	....	9683
1	2701	12085	8258	12031	4588	....	6580				1	7791	8474	8566	3809	5970	7321	9696
2	2968	12098	8265	12103	4638	....	6709				2	7984	8494	8580	3989	5990	7325	9714
3	3256	12116	8311	12135	4615	6675	6821				3	8355	8513	8606	3999	5988	7337	9761
4	3467	12122	8318	12160	4787	6677	6822				4	8356	8540	8621	4173	6026	....	9772
5	3579	12139	8386	12164	4841	....	6904				5	8371	8603	8633	4184	6111	....	9836
6	3892	12151	8430	12181	4866	....	7063				6	8456	8616	8638	4234	6114	7356	9931
7	3902	12220	8489	12214	4951	6722	7348				7	8617	8624	8671	4244	6145	....	9941
8	4060	12233	8687	12277	4994	....	7377				8	9194	8623	8697	4293	6156	....	9999
9	4053	12235	8877	12289	5023	6734	74291				9	9466	8667	8723	4330	6155	....	10007

I. Stars Discovered by Modern Observers

xvii

No.	β	A	Hu	Ho	Ox	See	A. G.	No.	β	A	Hu	Ho	Ox	See
250	10569	8693	8727	4346	6159	....	10013	300	8467	11259	12541	12335	7349	....
1	10787	8753	8772	4758	6181	7431	10061	1	436	11278	2056	12346	7392	....
2	10884	8756	8807	4864	6222	....	10094	2	508	11349	2075	12493	7438	....
3	41	8770	8811	5207	6256	....	10120	3	612	11352	2165	12501	7477	....
4	52	8805	8850	5704	6257	....	10198	4	1291	11405	2172	84	7482	....
5	61	8829	8853	6034	6267	7457	10222	5	1340	11408	2275	339	7544	....
6	146	8866	8857	6258	6312	....	10231	6	1398	11432	7209	425	7546	....
7	359	8890	8869	6381	6321	7463	10278	7	1422	11447	7232	498	7543	....
8	637	8918	8885	6466	6332	....	10355	8	1795	11507	7253	585	7589	....
9	990	8934	8900	6470	6393	....	10370	9	2044	11769	7257	733	7587	....
260	992	8937	8948	6476	6395	7465	10380	310	2140	11913	7272	746	7630	....
1	1409	8951	8993	6672	6415	7467	10388	1	2213	12187	7554	977	7636	7794
2	1424	9048	9145	6843	6420	....	10448	2	2366	12545	7744	1098	7634	....
3	1944	9091	9162	7008	6446	....	10454	3	2421	704	7746	1247	7673	....
4	8567	9120	9174	7236	....	....	10501	4	2460	812	8379	1253	7705	....
5	8852	9143	9227	7801	6483	....	10510	5	2463	1073	8389	1357	7777	....
6	9758	9148	9249	7989	6494	....	10524	6	2398	1312	8401	1485	7782	....
7	10427	9193	9687	8398	6499	....	10528	7	2607	1394	8408	1494	7800	7821
8	10542	9256	10046	8439	6512	....	10632	8	2622	2730	8451	1515	7810	....
9	10707	9371	10333	8464	6524	....	10717	9	2744	2749	8466	1662	7814	7867
270	10818	9418	10444	8923	6630	7559	10901	320	2769	2852	8591	1676	7819	....
1	10881	9420	10491	8924	6663	....	10924	1	2889	3067	8629	1690	7825	....
2	10947	9511	10576	9220	6671	....	11048	2	2900	3082	8642	1695	7832	....
3	11060	9550	10724	9393	6676	....	11098	3	3251	3292	8676	1808	7873	....
4	11178	9606	10861	9419	6724	....	11137	4	3652	3362	8726	1890	7883	....
5	11409	9727	10933	9649	6732	....	11166	5	3679	3558	8769	1936	7900	7961
6	11410	9791	10999	9774	6731	....	11233	6	3715	3744	8834	2050	7940	7966
7	11888	9832	11018	10129	6758	7610	11240	7	3746	3842	8851	2052	7936	....
8	12316	9927	11169	10223	6764	7614	11358	8	3839	3879	8854	2110	7944	....
9	12523	9932	11174	10346	6770	....	11393	9	3866	3881	8931	2150	8007	8018
280	12655	9933	11176	10543	6763	....	11546	330	3975	3888	8939	2170	8041	8024
1	12709	9977	11269	10700	6820	....	11601	1	3998	3895	8942	2175	8055	....
2	7907	10002	11415	10705	6868	....	11713	2	4080	4023	8945	2319	8071	8029
3	8285	10049	11439	10807	6923	....	11798	3	4403	4030	9102	2320	8083	....
4	8443	10067	11515	10848	6963	....	11868	4	4453	4271	9104	2624	8143	....
5	8448	10095	11544	10853	7001	7719	11891	5	4785	4472	9130	2791	8157	....
6	8429	10109	11585	10908	7028	7727	11941	6	4970	4541	9180	2952	8180	8102
7	9020	10156	11627	10954	7044	....	11947	7	5057	4543	9203	3045	8186	8130
8	10395	10167	11876	11054	7049	....	11984	8	5061	4568	9237	3302	8210	....
9	10891	10179	11922	11554	7065	....	12133	9	5126	4695	9289	3370	8242	....
290	11716	10204	11944	11562	7076	....	12216	340	5803	4720	9340	3409	8148	....
1	11732	10214	11959	11588	7103	7773	12254	1	6363	4872	9403	3483	8353	....
2	8413	10232	12315	11682	7181	....	12359	2	6433	4932	9454	3792	8359	....
3	8868	10238	12319	11800	7187	....	12427	3	6649	5150	9541	3905	8364	....
4	10033	10865	12328	11851	7186	....	12534	4	6688	5228	9599	3937	8391	....
5	10054	10915	12329	11873	7192	....	12558	5	6951	5467	9610	4005	8418	....
6	10207	11059	12334	11895	7276	....	12635	6	7006	6728	9621	4042	8454	8313
7	10266	11116	12368	11973	7320	....	12648	7	7046	6944	9624	4246	8537	....
8	10401	11170	12419	12016	7332	....	12668	8	7096	7568	9629	4382	....	8423
9	8459	11204	12426	12238	7333	....	12686	9	7136	7716	9654	4396	8468	8434

No.	β	A	Hu	Ho	OZ	See	No.	β	A	Hu	Ho	OZ	See
350	7174	7799	9676	4408	8561	8480	400	1602	10644	12280	7473	9979	9773
1	7189	8044	9685	4437	8575	....	1	1907	10877	1	7560	10008	9788
2	7195	8061	9803	4464	8588	8526	2	2167	11124	25	7597	10028	....
3	7218	8412	9841	4587	8578	....	3	2194	11195	91	7601	10041	....
4	7358	8657	9940	4731	8622	8597	4	2427	11264	100	7611	10074	....
5	7527	8661	9947	4739	8636	8647	5	2986	11265	103	7628	10103	9874
6	7683	8682	10068	4812	8650	8719	6	2995	11418	170	7657	10141	9896
7	7856	8747	10080	4844	8659	8738	7	4831	11493	201	7662	10281	....
8	8177	8882	10092	4875	8663	8742	8	4851	11539	207	7787	10338	....
9	9024	8984	10117	4877	8662	....	9	4895	11570	227	7806	10405	9868
360	9213	8996	10125	4879	8690	8766	410	4958	11607	327	7824	10423	....
1	9659	9040	10181	4905	8749	....	1	5491	11670	336	7843	10473	9998
2	10141	9109	10400	4996	8819	8818	2	6041	11707	382	7886	10523	10039
3	10264	9169	10647	4998	8828	....	3	6635	11880	418	7963	10533	....
4	10519	9283	10740	5020	8892	8893	4	6952	11923	451	7983	10534	10089
5	10544	9290	10771	5085	8932	....	5	7404	12009	628	7995	10565	....
6	10557	9366	10769	5089	9146	....	6	7929	12067	705	8030	10590	10127
7	10607	9392	10790	5134	9152	....	7	8252	12143	717	8050	10591	....
8	10731	9437	10875	5161	9157	8992	8	8358	12226	745	8090	10608	10157
9	10997	9465	10950	5224	9134	8995	9	8619	12278	828	8094	10610	....
370	11058	9476	10967	5301	9171	....	420	8620	12396	880	8097	10606	10283
1	11121	9536	11072	5318	9167	9081	1	8887	12424	896	8117	10622	....
2	11171	9553	11119	5452	9291	....	2	9119	12437	967	8208	10617	....
3	11187	9575	11185	5513	9301	....	3	9296	12508	1001	8254	10620	10375
4	11217	9598	11201	5571	9399	....	4	9341	12583	1154	8261	10650	....
5	11537	9653	11209	5580	9415	9281	5	9759	12636	1222	8267	10675	10432
6	11584	9669	11242	5584	9442	....	6	9872	12638	1229	8335	10686	10452
7	11625	9704	11247	5660	9459	....	7	9873	12650	1233	8365	10706	10456
8	11636	9798	11263	5664	9473	....	8	9908	12705	1276	8376	10766	....
9	11668	9802	11313	5979	9489	....	9	9916	12723	1325	8400	10772	....
380	11735	9866	11317	6254	9531	....	430	9987	31	1402	8511	10809	....
1	11795	9906	11363	6501	9540	9361	1	10134	211	1532	8541	10815	10561
2	12036	9943	11371	6581	9535	....	2	10203	237	1649	8542	10841	10561
3	12058	9946	11642	6624	9565	9400	3	10257	294	1658	8581	10885	10611
4	12118	9964	11675	6828	9582	9406	4	10318	367	1674	8599	10902	10614
5	12201	10030	11697	6840	9613	9429	5	10385	377	1726	8613	10914	10673
6	12372	10034	11729	6877	9644	....	6	11562	441	1830	8665	10888	10683
7	12435	10051	11752	6916	9650	....	7	1202	483	2138	8731	10922	....
8	12441	10055	11770	7022	9693	....	8	9391	516	2142	8762	10938	....
9	12510	10053	11792	7038	9689	9475	9	9823	588	2208	8820	10971	10722
390	12561	10056	11815	7051	9732	9480	440	9916	622	2217	8854	11011	10763
1	30	10107	11849	7108	9775	9502	1	10076	786	2295	9027	11033	10906
2	106	10206	11865	7131	9782	....	2	10063	1087	2299	9063	11084	....
3	126	10225	11871	7289	9786	9532	3	10188	1155	2352	9071	11100	10864
4	243	10259	11919	7297	9820	9571	4	....	1180	2390	9074	11126	10878
5	335	10285	11921	7339	9833	9603	5	10702	1182	2472	9117	11130	....
6	543	10347	12045	7388	9851	9628	6	10921	1257	2523	9120	11139	10977
7	587	10359	12074	7403	9875	....	7	10962	1282	2698	9172	11145	....
8	630	10387	12120	7419	9933	....	8	11017	1284	3016	9288	11168	11004
9	768	10424	12264	7439	9980	....	9	11145	1314	3058	9320	11189	11019

Stars Discovered by Modern Observers

No.	β	A	Hu	Ho	OZ	See	No.	β	A	Hu	Ho	OZ
450	11936	1349	3134	9324	11241	.....	500	485	2998	12637	1591	12468
1	12019	1351	3278	9325	11320	11111	1	583	3034	12743	1597	12492
2	12078	1399	3296	9376	11347	11136	2	597	3120	12752	1619	12494
3	894	1416	3299	9576	11362	11156	3	676	3138	44	1627	12517
4	4539	1523	3819	9881	11364	11158	4	679	3160	77	1835	12520
5	4990	1527	3911	10066	11372	.....	5	741	3252	159	1956	12542
6	5848	1562	4124	10144	11376	11206	6	790	3468	180	2038	12570
7	6002	1653	4190	10192	11391	.....	7	824	3476	213	2112	12573
8	6017	1667	4780	10394	11397	11228	8	848	3478	234	2145	12575
9	6271	1794	5358	10539	11458	.....	9	900	3520	257	2908	12587
460	6479	1850	5586	10621	11472	11277	510	946	3563	277	2930	12596
1	6678	1941	5723	10652	11477	11344	1	953	3572	284	3087	12615
2	6890	1953	5783	10703	11506	.....	2	994	3648	334	3155	12651
3	8458	1955	5838	11097	11538	11367	3	1036	3662	348	3216	12661
4	8568	1968	5876	11152	11556	11438	4	1049	3734	371	3406	12729
5	8800	1973	5891	11248	11568	11450	5	1054	3749	373	3500	600
6	9014	2003	6176	11261	11578	.....	6	1091	3771	449	3603	1885
7	9580	2047	6194	11289	11602	11460	7	1260	3777	549	3736	2588
8	9585	2048	6227	11421	11621	.....	8	1285	3783	554	3856	2862
9	9792	2062	6517	11444	11659	11508	9	1288	3815	604	3853	3426
470	9939	2065	6525	11520	11685	11525	520	1338	3846	670	3929	3890
1	10508	2077	6533	11575	11754	11628	1	1384	3870	689	4026	5212
2	10688	2148	6598	11603	11773	11653	2	1390	3898	693	4053	5227
3	10736	2155	6613	11632	11778	.....	3	1439	3917	702	4204	5371
4	11491	2214	6757	11680	11840	11744	4	1471	3921	723	4519	8370
5	11557	2238	6793	11793	11875	.....	5	1508	3930	755	4577	8916
6	11593	2327	6991	11810	11928	11934	6	1565	3964	809	4585	10261
7	11614	2361	7007	11813	11930	.....	7	1567	4022	822	4590	10749
8	11752	2399	7373	11818	11936	12071	8	1580	4067	841	4621	11061
9	11788	2440	7536	11858	11938	12219	9	1624	4068	846	4738	11962
480	11899	2470	7564	11861	11966	.....	530	1617	4102	855	4934	12000
1	12119	2508	7591	11951	11970	12260	1	1692	4144	859	5394	2027
2	12700	2512	7598	12008	12032	12298	2	1762	4154	915	5546	9724
3	26	2559	7636	12029	12094	.....	3	1774	4161	918	5593	10390
4	33	2561	7666	12084	12088	12357	4	1807	4176	932	5985	8344
5	43	2567	7706	12149	12130	12366	5	1834	4185	1157	6007	10829
6	81	2700	7707	12170	12138	12357	6	1856	4189	1225	6136	12090
7	101	2720	7721	12186	12144	.....	7	1866	4328	1254	6210	11390
8	181	2752	7916	12311	12170	.....	8	1880	4347	1360	6316	7563
9	198	2827	7924	12363	12196	.....	9	1901	4395	1370	6379	5706
490	314	2855	11002	12742	12207	.....	540	1940	4401	1391	6505	1757
1	354	2872	11455	182	12232	.....	1	1945	4424	1538	6824	9973
2	401	2893	11497	416	12224	12447	2	1953	4433	1543	6879	7244
3	405	2910	11693	539	12299	12469	3	1962	4440	1603	6882	8571
4	420	2928	11890	548	12312	.....	4	2013	4443	1616	6891	8955
5	431	2935	12055	550	12348	.....	5	2026	4478	1638	6927	3074
6	452	2933	12221	927	12405	.....	6	2059	4525	1863	7016	8819
7	458	2944	12277	1140	12408	12599	7	2084	4572	2018	7196	12740
8	464	2989	12458	1504	12415	12607	8	2114	4573	2074	7207	
9	488	2991	12586	1566	12428	.....	9	2226	4584	2171	7304	

No.	β	A	Hu	Ho	No.	β	A	Hu	Ho	No.	β	A	Hu	No.	β	A	Hu
550	2266	4627	2211	7526	600	5732	9615	12679	10693	650	9382	12794	7274	700	11731	13417	12690
1	2368	4634	2242	7547	1	5796	9616	225	10903	1	9372	12799	7298	1	11736	13439	3200
2	2383	4748	2324	7670	2	5912	9631	615	10907	2	9394	12804	7345	2	11772	13442	3341
3	2426	4752	2370	7715	3	5926	9715	12895	11045	3	9404	12808	7355	3	11786	13445	3345
4	2459	4919	2374	7821	4	5929	9742	12913	11055	4	9417	12809	7366	4	11791	13448	3786
5	2605	5278	2397	7857	5	6127	9746	1593	11218	5	9427	12831	7370	5	11812	13454	3830
6	2715	5499	2583	7868	6	6165	9754	1932	11232	6	9520	12834	13323	6	11827	13455	4035
7	2771	5526	2831	7908	7	6238	9757	12978	11252	7	9562	12840	7393	7	11817	13462	4126
8	2796	5726	3013	7918	8	6410	9870	2179	11255	8	9569	12890	7436	8	11842	13463	4201
9	2964	5808	3099	8124	9	6409	9912	2181	11353	9	9718	12892	7475	9	11903	13465	4223
560	2977	5868	3109	8138	610	6473	10249	2262	11443	660	10031	12899	7513	710	11917	13469	4228
1	2974	5978	3358	8212	1	6557	10511	2264	11496	1	10077	2596	13345	1	11943	13472	4313
2	3035	6220	3367	8229	2	6578	10568	2335	11505	2	10105	3098	7595	2	12060	13474	4314
3	3036	6280	3513	8310	3	6656	10571	13046	11602	3	10163	3107	7650	3	12069	13476	4390
4	3100	6340	3566	8316	4	6663	10582	13051	11612	4	10176	3122	7754	4	12237	13477	4599
5	3196	6465	5143	8326	5	6846	10678	3642	11666	5	10168	3140	7761	5	12242	13487	4616
6	3248	6467	5373	8508	6	6915	10890	3668	11712	6	10187	3237	13354	6	12255	13494	4647
7	3260	6523	5585	8653	7	7009	10916	13114	11821	7	10035	13095	13358	7	12285	13496	4657
8	3357	6658	5598	8774	8	7150	10984	3855	11847	8	10289	3261	7937	8	12325	9660	4876
9	3368	6702	6079	8872	9	7367	10996	3950	11961	9	10298	3352	7969	9	12346	9828	4894
570	3402	6913	6080	9058	620	7374	11348	13131	12182	670	10310	3447	7977	720	12432	9849	4897
1	3526	6949	6199	9070	1	7414	11356	4066	12399	1	10340	3784	7996	1	12450	13510	4903
2	3781	7148	6404	9079	2	7444	11379	4136	12708	2	10367	3926	8026	2	12477	13513	4916
3	3794	7238	6418	9127	3	7472	11502	13150		3	10439	13135	8053	3	12498	10024	5159
4	3841	7767	6933	9178	4	7590	11561	4495		4	10459	4224	8416	4	12502	13529	5165
5	3934	7784	6972	9188	5	7624	11574	4527		5	10476	13145	8691	5	12524	10158	5279
6	4561	8450	6996	9221	6	7648	11594	4553		6	10512	5666	8927	6	12549	10175	5611
7	3990	8487	7308	9224	7	7779	11655	4641		7	10527	13212	8960	7	12559	10195	5822
8	4076	8491	7335	9358	8	7955	11660	4866		8	10656	5864	8964	8	12605	10200	5851
9	4120	8495	7353	9537	9	7945	11692	5176		9	10738	5893	9460	9	12631	13530	5917
580	4233	8554	7360	9695	630	7964	11689	5197		680	10747	13220	9542	730	12664	10237	5938
1	4414	8587	8524	9739	1	8100	12020	5295		1	10819	6015	9622	1	12677	10251	5942
2	4418	8593	8536	9779	2	8180	12025	5344		2	10828	6016	9647	2	12687	10254	5976
3	4459	8600	8610	9780	3	8274	12070	5361		3	10980	13241	9651	3	12701	10291	5980
4	4705	8627	8808	9809	4	8284	12079	5363		4	11007	13243	9692	4	466	10284	5991
5	4715	9408	10075	9826	5	8304	12123	5434		5	11014	13252	9703	5	562	10296	6078
6	4783	8720	10201	9838	6	8367	12153	5462		6	11129	13255	9710	6	923	13535	6099
7	4828	8952	10263	9976	7	8388	12203	5622		7	11151	13256	9749	7	1201	10328	6141
8	5004	8972	10415	10064	8	8393	12268	5667		8	11200	13275	9762	8	1252	10343	6252
9	5086	9010	10677	10032	9	8467	12301	5719		9	11213	13294	9793	9	1263	13536	6384
590	5097	9110	10728	10069	640	8507	12324	6281		690	11227	13298	10493	740	1422	13537	6450
1	5114	9125	10963	10073	1	8514	12428	6328		1	11236	7166	10748	1	1507	13538	6547
2	5251	9272	10987	10091	2	8630	12473	13238		2	11283	13347	10899	2	1687	10376	6735
3	5342	9345	11044	10138	3	8654	12488	6383		3	11350	13349	11224	3	1922	10382	6962
4	5409	9348	11092	10265	4	8664	12516	6454		4	11459	13389	11308	4	2159	10384	7112
5	5565	9396	11634	10441	5	8755	12578	6576		5	11463	13391	11589	5	2192	13540	7114
6	5570	9398	11719	10555	6	8908	12763	6715		6	11464	13392	11622	6	2252	10421	7319
7	5600	9426	12259	10594	7	8912	12771	7026		7	11499	13395	12528	7	2265	10433	7424
8	5639	9472	12282	10642	8	8933	12774	7069		8	11553	13400	12584	8	2392	10434	7653
9	5676	9581	12397	10689	9	8953	12780	7260		9	11579	13402	12597	9	2497	13545	7904

No.	β	A	Hu	No.	β	A	Hu	No.	β	A	Hu	No.	β	A	Hu	No.	β	A	Hu
750	2521	13551	7941	800	6442	12711	12730	850	12106	13064	13153	900	3718	13662	13265	950	7617	12865	13483
1	2534	10618	8072	1	6625	12759	419	1	12131	13065	13155	1	3986	12760	13266	1	7619	12866	13482
2	2929	10631	8079	2	6642	12761	477	2	12205	13066	13159	2	4364	12762	13268	2	7691	12867	13488
3	3414	13553	8266	3	6747	12767	656	3	12279	13070	13160	3	4420	12764	13272	3	7726	12868	13490
4	3493	10641	8763	4	6939	12775	917	4	12345	13102	13161	4	4507	12766	13274	4	7804	12869	13499
5	3504	10649	8806	5	6945	12779	982	5	12475	13103	13162	5	4537	12768	13280	5	7835	12870	13500
6	3611	10660	8835	6	6946	12787	1058	6	12484	13333	13164	6	4545	12769	13288	6	7888	12874	13506
7	3920	10657	9011	7	6968	12791	1153	7	12505	13404	13167	7	4562	12773	13290	7	7912	12876	13522
8	4052	10759	9627	8	7073	12792	1203	8	12510	13427	13168	8	4985	12776	13289	8	7917	12878	13526
9	8387	13562	9879	9	7137	12796	1334	9	12609	13428	13171	9	5129	12781	13306	9	7975	12881	13557
760	8449	10793	10292	810	7421	12802	1486	860	12682	13434	13172	910	5141	12782	13314	960	8087	12884	13565
1	9455	13563	10324	1	7498	12806	1533	1	12716	13436	13173	1	5334	12784	13320	1	8095	12885	13568
2	10027	10927	10602	2	7505	12813	1552	2	12732	13437	13174	2	5410	12785	13328	2	8099	12886	13570
3	10139	10937	10636	3	7638	12837	1811	3	12747	13446	13175	3	5535	12789	13334	3	8095	12887	13577
4	10634	10964	10658	4	7639	12842	1904	4	67	13492	13176	4	5552	12790	13335	4	8218	12889	13579
5	10646	10973	10762	5	7640	12851	1946	5	402	13505	13177	5	5573	12793	13339	5	8544	12894	13580
6	10935	10990	10789	6	7668	12852	2104	6	414	13507	13179	6	5710	12797	13342	6	8614	12896	13581
7	10970	11027	10833	7	7669	12856	2113	7	527	13511	13180	7	5888	12799	13355	7	8709	12897	13582
8	11341	11034	10839	8	7677	12872	2377	8	603	13518	13183	8	5974	12803	13366	8	8788	12898	13583
9	11543	11036	10892	9	7685	12873	2382	9	832	13531	13185	9	5983	12805	13370	9	8837	12906	13586
770	11802	11038	10893	820	7699	12875	2477	870	887	13532	13187	920	6094	12807	13371	970	8846	12907	13589
1	11835	11050	11075	1	7785	12880	2562	1	942	13533	13186	1	6112	12810	13374	1	8849	12909	13590
2	12052	11140	11404	2	7847	12893	2572	2	1052	13534	13191	2	6167	12811	13376	2	8911	12914	13594
3	12154	13588	11419	3	7863	12900	2614	3	1066	13539	13192	3	6177	12812	13385	3	8973	12915	13598
4	12412	13592	11424	4	8172	12901	2868	4	1122	13541	13195	4	6245	12814	13396	4	9007	12916	13599
5	12456	13600	11426	5	8325	12908	2874	5	1217	13543	13196	5	6319	12819	13406	5	9152	12925	13602
6	112	13601	11479	6	8368	12910	3087	6	1240	13544	13197	6	6326	12820	13413	6	9384	12926	13606
7	156	13603	11604	7	9551	12919	3124	7	1462	13552	13200	7	6352	12822	13415	7	9501	12928	13610
8	200	11430	11887	8	9604	12929	13096	8	1720	13556	13202	8	6362	12823	13416	8	9678	12932	13613
9	217	11435	11879	9	9633	12937	13098	9	1724	13558	13203	9	6367	12824	13419	9	9686	12935	13617
780	271	13605	11901	830	9721	12944	13099	880	1836	13559	13204	930	6386	12825	13420	980	9752	12936	13618
1	445	13607	11909	1	9753	12959	13100	1	2268	13561	13205	1	6411	12826	13422	1	9767	12938	13620
2	700	11652	11949	2	9890	12960	13101	2	2297	13564	13207	2	6534	12828	13423	2	9989	12940	13621
3	851	11762	11953	3	9963	12976	13112	3	2381	13566	13208	3	6541	12830	13426	3	10040	12941	13622
4	922	13624	11958	4	10495	12986	13115	4	2496	13567	13209	4	6572	12835	13429	4	10072	12946	13626
5	1051	12107	12057	5	10707	12989	13119	5	2565	13569	13210	5	6618	12836	13430	5	10090	12949	13627
6	1171	12206	12249	6	10754	13000	13124	6	2616	.....	.....	6	6681	12841	13432	6	10109	12951	13628
7	1751	12253	12252	7	10760	13004	13125	7	2669	13571	13211	7	6687	12843	13433	7	10271	12952	13630
8	1759	12350	12250	8	10910	13005	13128	8	2672	13574	13216	8	6717	12845	13441	8	10755	12953	13631
9	2231	12352	12262	9	10929	13008	13129	9	2690	13578	13217	9	6768	12846	13443	9	11222	12954	13632
790	5339	12367	12283	840	11309	13023	13132	890	2740	13595	13222	940	6876	12848	13444	990	11500	12955	13635
1	5747	12433	12455	1	11343	13026	13136	1	2763	13596	13224	1	6931	12849	13449	1	11597	12957	13637
2	5881	12588	12474	2	11521	13036	13137	2	2965	13604	13230	2	7047	12853	13450	2	12273	12963	13638
3	5889	12589	12499	3	11704	13047	13139	3	3121	13609	13231	3	7203	12854	13453	3	12525	12964	13639
4	5951	12590	12496	4	11759	13048	13141	4	3258	13611	13234	4	7299	12857	13470	4	12529	12966	13641
5	5990	12594	12504	5	11912	13049	13142	5	3291	13616	13246	5	7302	12858	13475	5	12562	12967	13642
6	6109	12595	12533	6	11995	13050	13143	6	3416	13647	13249	6	7402	12859	13478	6	12608	12970	13644
7	6209	12632	12576	7	12043	13055	13146	7	3650	13651	13251	7	7493	12860	13479	7	12736	12972	13645
8	6374	12630	12699	8	12059	13059	13148	8	3659	13654	13253	8	7495	12862	13480	8	74	12975	13648
9	6389	12652	12710	9	12075	13062	13152	9	3743	13659	13261	9	7506	12863	13481	9	758	12980	13649

No.	β	A	Hu	No.	β	A	Hu	No.	β	A	Hu	No.	β	A	Hu
1000	825	12981	13650	1050	2856	13097	12921	1100	646	13263	13042	1150	12407	13375	13271
1	957	12982	12756	1	2875	13104	12922	1	732	13264	13045	1	12410	13377	13281
2	1433	12983	12757	2	2913	13105	12923	2	754	13267	13052	2	12560	13379	13284
3	1878	12985	12758	3	3020	13106	12924	3	872	13269	13053	3	12611	13380	13285
4	2016	12987	12765	4	3022	13107	12927	4	885	13270	13054	4	12672	13382	13287
5	2025	12988	12770	5	3073	13108	12930	5	1883	13273	13058	5	3	13383	13291
6	2576	12991	12772	6	3111	13109	12931	6	1898	13276	13063	6	202	13384	13292
7	2896	12993	12777	7	3133	13110	12933	7	6488	13277	13067	7	226	13386	13293
8	3239	12994	12778	8	3191	13111	12934	8	6657	13278	13068	8	254	13387	13300
9	3862	12995	12783	9	3330	13113	12939	9	6733	13279	13073	9	347	13388	13301
1010	12051	13002	12786	1060	3747	13116	12942	1110	6805	13282	13075	1180	438	13390	13304
1	12115	13003	12788	1	4197	13117	12943	1	6842	13283	13077	1	537	13393	13305
2	12456	13007	12795	2	4260	13118	12945	2	6905	13286	13079	2	619	13394	13309
3	12571	13009	12798	3	4290	13120	12947	3	7005	13295	13082	3	743	13398	13311
4	7	13010	12800	4	4480	13121	12948	4	7270	13296	13085	4	765	13399	13313
5	150	13011	12801	5	4529	13122	12950	5	7609	13297	13087	5	789	13407	13316
6	956	13012	12815	6	4593	13123	12956	6	7718	13299	13088	6	844	13408	13317
7	3224	13014	12816	7	4609	13126	12958	7	7801	13302	13090	7	857	13409	13319
8	3259	13017	12817	8	4795	13127	12961	8	7885	13303	13091	8	966	13412	13321
9	3264	13020	12818	9	4806	13133	12962	9	7920	13307	13094	9	971	13418	13337
1020	3331	13025	12821	1070	5070	13134	12965	1120	8014	13308	13130	1170	1175	13424	13338
1	3420	13027	12827	1	5123	13138	12968	1	8086	13310	13140	1	1205	13438	13341
2	3755	13028	12829	2	5303	13144	12969	2	8085	13312	13154	2	1277	13440	13344
3	3912	13029	12832	3	5469	13147	12971	3	8191	13315	13156	3	1501	13447	13348
4	4004	13030	12833	4	5481	13149	12973	4	8284	13318	13158	4	1554	13451	13359
5	12171	13031	12838	5	5492	13151	12974	5	8299	13322	13169	5	1555	13452	13361
6	62	13034	12839	6	5605	13157	12977	6	8306	13324	13178	6	1601	13456	13364
7	86	13035	12844	7	5652	13163	12979	7	8331	13325	13188	7	1657	13457	13365
8	488	13038	12847	8	5870	13165	12984	8	8590	13326	13189	8	1689	13458	13367
9	648	13039	12850	9	5998	13166	12990	9	9276	13327	13194	9	1709	13459	13373
1030	1584	13043	12855	1080	6180	13170	12992	1130	9416	13329	13198	1180	1725	13460	13378
1	2266	13044	12861	1	6343	13181	12996	1	9485	13330	13201	1	1803	13464	13381
2	2883	13056	12864	2	6348	13182	12997	2	9552	13437	13206	2	1825	13466	13397
3	8879	13057	12871	3	6385	13184	12998	3	9801	13332	13214	3	1841	13467	13401
4	10616	13060	12877	4	6460	13190	12999	4	10194	13336	13215	4	1882	13471	13403
5	10939	13061	12879	5	7079	13193	13001	5	10276	13340	13218	5	2187	13473	13405
6	11251	13069	12880	6	7126	13199	13006	6	10319	13343	13223	6	2207	13484	13410
7	11971	13071	12882	7	7531	13213	13013	7	10639	13346	13225	7	2386	13485	13411
8	12596	13072	12883	8	7878	13221	13015	8	10705	13350	13226	8	3015	13486	13414
9	1644	13074	12888	9	8031	13227	13016	9	10708	13351	13232	9	3070	13489	13421
1040	1776	13076	12891	1090	8062	13228	13018	1140	10898	13352	13233	1190	3060	13491	13425
1	1839	13078	12902	1	8438	13229	13019	1	10995	13353	13236	1	3361	13495	13431
2	1977	13080	12903	2	11862	13235	13021	2	11022	13356	13237	2	3397	13497	13435
3	2280	13081	12904	3	153	13244	13022	3	11160	13357	13239	3	3647	13498	13461
4	2302	13083	12905	4	236	13247	13024	4	11924	13360	13240	4	4083	13501	13468
5	2433	13084	12911	5	239	13248	13032	5	11977	13362	13242	5	4302	13502	13493
6	2495	13086	12912	6	324	13250	13033	6	11979	13363	13245	6	4517	13503	13523
7	2544	13089	12917	7	330	13257	13037	7	12125	13368	13254	7	6703	13504	13524
8	2804	13092	12918	8	475	13260	13040	8	12385	13369	13258	8	7592	13508	13527
9	2808	13093	12920	9	489	13262	13041	9	12402	13372	13259	9	7728	13509	13542

Stars Discovered by Modern Observers

xxiii

No.	β	A	Hu	No.	β	A	No.	β
1200	7932	13512	13640	1250	8008	13665	1300	8833
1	8058	13514		1	8120		1	9593
2	8298	13515		2	8505		2	10490
3	8543	13516		3	8640		3	10814
4	9095	13517		4	8762		4	10900
5	9971	13519		5	8926		5	11221
6	10115	13520		6	9192		6	11275
7	10146	13521		7	9440		7	11715
8	10326	13525		8	9811		8	11785
9	10403	13528		9	10148		9	76
1210	10675	13546		1260	10149		1310	276
1	10691	13547		1	10851		1	352
2	11125	13548		2	10919		2	930
3	11329	13549		3	11211		3	962
4	11380	13550		4	11765		4	1286
5	11563	13554		5	11900		5	1354
6	11650	13555		6	12404		6	1441
7	11664	13560		7	2812		7	2686
8	11742	13572		8	3931		8	2741
9	11986	13573		9	5480		9	4305
1220	12257	13575		1270	6711		1320	4556
1	12388	13576		1	6812		1	5406
2	12390	13584		2	6813		2	5418
3	12540	13585		3	6817		3	6012
4	12645	13587		4	8476		4	6182
5	208	13593		5	1145		5	8538
6	255	13597		6	1929		6	8569
7	267	13608		7	2019		7	8672
8	572	13612		8	2081		8	8717
9	709	13614		9	3869		9	10668
1230	785	13615		1280	5428		1330	10770
1	1801	13619		1	5437		1	11143
2	2045	13623		2	5709		2	12010
3	2076	13625		3	5711		3	2101
4	2120	13629		4	7987		4	2619
5	2174	13633		5	9013		5	9421
6	2309	13634		6	9317		6	12472
7	2395	13636		7	9499			
8	2462	13643		8	9519			
9	2773	13646		9	9830			
1240	2857	13652		1290	10684			
1	3182	13653		1	308			
2	3197	13655		2	594			
3	4499	13656		3	1470			
4	4502	13657		4	1655			
5	6131	13658		5	2279			
6	6803	13660		6	3314			
7	7899	13661		7	7586			
8	7979	13663		8	7823			
9	8002	13664		9	8249			

MISCELLANEOUS

Aitken						Burnham—Continued					
1511	4480	5929	8520	9933	11839	9057	9559	10052	10803	11477	12027
1715	5535	8185	8669	10140	12205	9066	9584	10155	10825	11526	12099
3835	6413	8449	8868	11207		9157	9602	10173	10936	11527	12121
Anderson						9189	9619	10314	10948	11558	12141
2501	3054	3439	4549	5328	8841	9286	9650	10392	11214	11591	12198
Barnard						9297	9698	10514	11238	11657	12202
605	2837	7902	8692	10665	11937	9299	9741	10535	11239	11677	12209
692	3106	8189	10091	10925	12096	9349	9797	10540	11272	11891	12561
1838	3533	8373	10106	11256	12276	9447	9854	10546	11321	11902	12618
1856	6028	8655	10633	11718	12555	9484	9860	10627	11355	11905	12678
2597	6351					9508	9871	10663	11397	12004	12707
Battermann						9528	9986	10744	11433	12022	12736
11355						9538	10007½	10800	11448		
Bigourdan						Clark, Alvan					
8471	11376					A. C. 1 = 151	A. C. 8 = 8228	A. C. 15 = 8372			
Bird						2 1650	9 8237	16 9771			
1964	4188	8256	9018			3 3220	10 8529	17 10025			
Boeger						4 3636	11 8535	18 10301			
3982						5 5235	12 9755	19 10863			
Bond						6 6039	13 595	20 11164			
2819	2841	2851				7 8162	14 763				
Boothroyd						Clark, Alvan G.					
11752						A. G. C. 1 = 3596	A. G. C. 10 = 9574				
Bowyer						2 4255	11 9643				
421	2845	4811				3 4786	12 10057				
Bryant						4 6171	13 10846				
9567						5 6342	14 12532				
Burnham						6 6927	15 24				
58	1359	2711	3519	5478	7593	7 7453	— 2837				
75	1447	2723	3561	5581	7737	8 8382	— 7914				
89	1455	2726	3604	5595	7741	9 8955					
361	1468	2864	3678	6148	7869	Cincinnati					
365	1590	2869	3768	6162	7905	8614	9055	9138	9799	10290	10827
497	1671	2901	3994½	6243	7976	8895	9072	9737	10052	10335	12490
706	1805	2962	4011	6308	7992	Cogshall					
713	1824	2973	4019	6342	8055	3695	7221	7465	8018	10736	12219
725	2046	2985	4128	6426	8291	3776	7228	7467	8423	10878	12607
794	2052	3014	4326	6457	8316	7175	7457	7559	8443	11438	12751
835	2168	3030	4334	6518	8393	7178	7463	7614	8480		
861	2193	3048	4458	6592	8550	Collins					
944	2209	3158	4491	6796	8631	9547					
948	2306	3187	4516	6869	8786	Comstock					
1008	2329	3246	4589	6878	8827	2824	6391	8210	11318	12487	
1015	2340	3295	4612	6914	8867	3523	7242	10472	11343		
1106	2488	3298	4699	6919	8954	Copeland					
1188	2597	3346	4746	7219	8990	7664					
1243	2627	3490	5343	7253	8957	Cordoba Zones					
1280	2638	3495	5423	7534	9026	1238	3369	6884	8528	10234	11268
						1344	5902	6900	9115	1112	11400
						2655	6863	8281			

Dawes

Da 1 = 10281	Da 5 = 2712	Da 9 = 9029	Da 13 = 9601
2 12405	6 2766	10 9630	14 11148
3 2850	7 4187	11 9839	15 11131
4 2841	8 698	12 9942	

Dembowski

Δ 1 = 64	Δ 10 = 3019	Δ 19 = 9090	Δ 28 = 12659
2 298	11 3543	20 9365	1438
3 893	12 3832	21 9847	1441
4 2283	13 4128	22 10213	1787
5 2406	14 5582	23 10557	5537
6 2466	15 7748	24 10843	10709
7 2722	16 8147	25 11134	11320
8 2768	17 8251	26 12483	
9 2954	18 8502	27 12560	

Doolittle

90	2166	5039	6960	9451	11776
494	2907	5277	7207	9632	11780
581	3027	5489	7813	9734	11852
616	3507	6189	7874	9981	12013
631	4531	6225	8338	9990	12286
867	4768	6601	9288	10003	12671
1272	4846	6655	9350	10822	12716
1287					

Dunér

909, 8899, 10784, 12694.

Dunlop

4449.

Edgecomb

1468, 2531.

Egbert

945 6579 6886 7247 8112 8308 8974 12551

Engelmann

2802, 12332

Espin

269	2116	8016	9196	9843	11784
326	2266	8503	9199	10563	12077
493	2283	8560	9295	10831	12321
1717	2667	8675	9517	11208	12343
1771	3286	8814	9546	11551	12547
1802	4056	9088	9674		

Glasenapp

929	6477	7509	7538	8855	9607
1588	6907	7510	8066	9265	10086
3143	7371				

Goldschmidt

7314

Grant

7631

Herschel, J.

621	1431	3963	7251	10281	11906
1265	1893	5015	7572	10363	12004
1413	1934	6771	8870	10670	12623
1430	2942	7151	9845	11648	

Hall

830	2588	7024	7277	10402	11114
1015	2694	7185	8826	10730	11814
2332	5397				

Harvard

1858, 3219, 12265, 12340.

Harvard Zones

1324	6957	8596	9356	10026	10779
2247	7659	8733	9810	10627	11747
2860	8088	9309	9835	10680	12515
3069					

Hastings

1179

Holden

1837, 2849, 4771.

Holmes

1704, 6521, 10934, 12676.

Hough

2313, 4025, 4475, 4929, 8020.

Hussey

398	1751	6145	8773	10622	11362
620	4228	8180	8819	11233	11518

Innes

429	3669	4294	5100	6677	8037
611	3672	4587	5220	7267	8226
1503	3741	4691	5307	7325	10494
1656	3790	4700	5313	7337	11062
2219	3996	4904	5389	7387	11101
3040	4216	4947	5784	7610	11978
3263	4251	5046	6086	7877	

Jacob

1673	3207	4830	5800	7533	8529
3008	3329	5130			

Jones

686, 720.

Knott

506, 2143, 2735, 3186, 10782.

Lamont

342, 590, 3575, 4075, 4187, 10104.

Langley

8292

Lassell

11066

Leavenworth

728	1851	6208	8403	10692	11529
1444	4008	7211	10601	11190	

Lewis

1000	3223	6999	8333	8695	9785
1368	3519	7287	8345	8898	9824
1557	3919	7722	8518	8932	9855
2256	5066	7956	8519	9033	10183
2301	5354	8055	8555	9264	10307
2672	5794	8201	8556	9377	10415
2724	6211	8210	8572	9381	11234
2977	6388	8213	8694	9549	11386

Maclear

3761

Madler

524	4127	5594	7052	9120	10321
2682	4340	6932			

Miller

8471, 8706

Mitchel

2605, 7533, 7631, 8502, 10207

Muller

413, 12461

Newcomb

8359

Perrine

3059, 8490.

Perrotin

4820, 5517, 7858, 8830.

Perry

5140, 7363, 7852, 8378.

Pritchett

2870, 3933, 4496, 6223, 6676, 7381, 9713.

Schaeberle

4187

Schiaparelli

4771, 8299, 9282.

Schjellerup

206	4150	4832	8483	9285	10330
1702	4210	4937	8557	9313	10392
3002	4247	7775	8637	9722	10989
3395	4598	7939	9093	9784	11025
4044	4605	8135	9107	10113	

Secchi

738, 5234, 9114, 10709.

See

3866 6017 8162 8475 10143 10286 10363 11180

Skinner

640	3827	5099	6742	7744	10494
3135	3982	6661	7410	8106	11922
3801					

Struve, O.

5665, 7740, 8830, 9038, 9300, 9845, 9877.

Struve, H.3521, 3593, 5951, 6923, 7636, 7935, 8131, 8736, 9041, 9902
10176.**Swift**

6710, 7796, 7971.

Tarrant

1854, 2941, 7313, 8873.

Tucker

1186, 2815.

Upton

2069, 6448.

Ward

1440, 3534, 8946, 10699.

Washington Zones

4793, 6935, 8205, 8350, 8564.

Webb

1802, 2767, 9825.

Weymouth

1625

Wilson

2507	5084	6569	8463	10202	11412
2514	5265	6682	9700	10573	11478
2806	5321	7161	9922	10798	11638
3581	5768	7910	10052	11109	11805
4209	6070	7935	10165	11403	12614
5042					

Winlock

5331, 8965.

Winnecke

507, 2706, 5736, 6146, 6614, 8692, 12425.

Young

7682.

II. STRUVE'S STARS NOT IN REGULAR ORDER

1	No.	1	No.	1	No.	1	No.	1	No.	1	No.	1	No.
93	713	824	3127	2077	7687	2837	11267	3076	5973	3092	7227	3108	7833
319	1522	1107	4149	2179	8022	2858	11366	3077	5982	3093	7237	3109	7850
343	1595	1150	4460	2241	8182	3063	10	3078	6045	3094	7338	3110	7861
344	1592	1410	5398	2248	8077	3064	8	3079	6052	3095	7371	3111	9292
460	1952	1455	5550	2299	8328	3065	14	3080	6060	3096	7389	3112	11061
558	2376	1717	6283	2326	8517	3067	5696	3081	6607	3097	7400	3113	986
573	2391	1851	6865	2571	9509	3068	5697	3083	6818	3099	7425	3114	2041
595	2413	1880	6966	2572	9432	3069	5759	3084	6856	3100	7430	3115	2926
629	2558	1887	6894	2614	9362	3070	5772	3086	6909	3101	7454	3116	3332
634	2548	1915	7084	2617	9781	3071	5791	3087	6936	3103	7583	3117	3549
695	2755	1980	7382	2647	9929	3072	5807	3088	6978	3104	7645	3118	3552
703	2879	2002	7464	2694	10218	3073	5878	3089	7082	3105	7651	3119	4662
739	2858	2034	7524	2794	10840	3074	5922	3090	7132	3106	7798	3120	4846
784	3041	2075	7671	2807	11010	3075	5948	3091	7185	3107	7817	3121	5005

III. ORBITS OF BINARIES

21	Z 2	3474	OZ 149	5805*	OZ 234	7332 *	OZ 298	8965*	ζ Sagitt.
104	OZ 4	3559	12 Lyncis	5811*	OZ 235	7368*	γ Cor. Bor.	9319	Z 2525
335	β 395	3596*	Sirius	6158	Z 1639	7487*	ξ Scorp	9605	δ Cygni
374	OZ 18	4122	Castor	6243*	γ Virg.	7561	Z 2026	9650	OZ 387
426	η Cass.	4187	Procyon	6296	35 Comae	7563	σ Cor. Bor.	9979*	OZ 400
479	66 Pisc.	4310*	9 Argus	6406*	42 Comae	7649	λ Ophiu.	10363*	β Delph.
482	36 And.	4477*	ζ Cancri	6524	OZ 269	7717*	ξ Herc.	10533	λ Cygni
1015	Z 186	4570	Z 1216	6530	Z 1757	7748	Δ 15	10559	4 Aqua.
1070*	γ And.	4771*	σ Hydrae	6566	25 Can. Ven.	7783	Z 2107	10732	61 Cygni
1144	Z 228	5005*	Z 3121	6578*	β 612	7878	μ Draco	10829*	δ Equul.
1471	20 Persei	5103*	ω Leonis	6641	Z 1785	7929*	β 416	10846*	τ Cygni
1623	Z 367	5223	φ Ursae	6780	Z 1819	8038*	Z 2173	11222*	κ Peg.
1650	95 Ceti.	5235	8 Sext.	6999	Z 1879	8182*	μ Herc.	11743	ξ Aquar.
2109*	40 Erid.	5365	OZ 215	7001*	OZ 285	8303	τ Ophiu.	11763	37 Peg.
2134	55 Tauri	5388	γ Leonis	7034	ξ Bootis	8340*	70 Ophiu.	12196	π Ceph.
2154	OZ 82	5515	OZ 224	7120	44 Bootis	8372*	99 Herc.	12701*	85 Peg.
2381*	β 883	5734*	ξ Ursae	7251*	η Cor. Bor.	8933	β 648	12755*	Z 3062
2535	14 Orionis	5765	ι Leonis	7259	μ Bootis				

IV. BINARY SYSTEMS

70	OZ 2	2007	Z 483	4414	β 581	7726	β 953	10880	β 163
92	Z 13	2088	Z 511	4668	β 205	7885	η Ophiu.	10881	β 271
280	λ Cass.	2093	OZ 77	4714	β 208	8099	26 Draco	11125	24 Aquar.
314	13 Ceti	2230	80 Tauri	4828	15 Hydrae	8353	OZ 341	11862	β 1092
440	β 232	2279	2 Camel.	5123	θ Ursae	8380	73 Ophiu.	11908	Z 2934
489	β 1099	2383	β 552	5652	α Ursae	8467	β 639	12036	β 382
600	φ And.	2605	β Orionis	5848	β 456	8663	OZ 359	12084	52 Peg.
648	ξ Pisc.	2657	Z 677	5926	β 603	8679	A 88	12125	2 Androm.
714	β 4	2780	32 Orionis	5951	β 794	8736	Z 2367	12143	83 Aquar.
887	β 870	2857	26 Aurigae	6028	β 3123	8759	Z 2384	12274	β 182
1036	48 Cass.	2883	σ Orionis	6185	β 28	8798	Z 2398	12276	β 79
1074	10 Arietis	2896	126 Tauri	6216	Z 1661	8849	β 971	12290	β 80
1164	Z 234	2977	β 560	6442	β 800	8966	Z 2438	12404	β 1266
1508	β 525	3191	4 Gemino.	6668	Z 1788	8993	HI N. 126	12432	72 Peg.
1512	σ Arietis	3239	η Gemino.	6711	β 1270	9038	Z 2454	12510	β 858
1761	7 Tauri	3291	β 895	6842	β 1111	9114	Se 2	12573	OZ 507
1349	OZ 62	3625	14 Lyncis	7416	π ³ Urs. Min.	10141	OZ 406	12696	Hn 60
1856	β 536	3876	Z 1037	7493	β Scorp.	10607	β 367	12709	β 281
1900	OZ 65	4065	Z 1093	7506	β 949	10643	σ Equul.		

V. STARS PROBABLY BINARY

508	β 302	892	OZ 34	1420	β 83	1952	Z 460	2464	OZ 93
541	OZ 21	898	Z 149	1427	Z 305	2115	Z 520	2544	β 1047
614	β 235	900	β 509	1507	β 741	2161	Z 535	2588	OZ 517
743	β 1163	1002	Z 183	1614	OZ 52	2187	β 1185	2845	Z 749
758	ω And.	1027	Z 185	1639	OZ 53	2272	Z 567	8035	OZ 122
765	95 Pisc.	1235	Z 257	1678	Z 380	2307	Z 577	3062	OZ 121
825	β 1000	1262	ι Cass.	1747	Z 400	2406	7 Camel.	3074	θ Aurigae
830	Z 138	1365	OZ 43	1834	38 Persei	2445	5 Aurig.	3277	4 Lyncis

V. STARS PROBABLY BINARY—*Continued*

3601	OZ 156	5448	Z 1439	6764	OZ 278	8210	OZ 338	10147	Z 2672
3678	15 <i>Lyncis</i>	5527	OZ 227	6851	Z 1837	8390	β 132	10487	β 64
3839	β 328	5560	OZ 229	6948	Z 1863	8548	Z 2315	10656	β 678
3949	OZ 170	5707	Z 1517	6955	ζ <i>Bootis</i>	8622	OZ 354	10685	Z 2744
3970	δ <i>Gemino.</i>	6053	Z 1606	7070	59 <i>Hydrae</i>	8783	ϵ^1 <i>Lyræ</i>	10709	Se 3
4193	Z 1126	6155	OZ 249	7117	β 119	8785	ϵ^2 <i>Lyræ</i>	11210	Ho 166
4333	Z 1157	6187	Z 1647	7214	Z 1932	8986	Z 2434	11346	β 75
4406	OZ 187	6211	Z 1658	7273	Z 1944	8988	Z 2437	11691	51 <i>Aquar.</i>
4452	Z 1187	6222	Z 1663	7276	OZ 296	9090	Δ 19	11732	β 291
4890	Z 1300	6348	78 <i>Ursæ</i>	7318	δ <i>Serp.</i>	9500	Z 2556	11761	Kr. 60
5030	Z 1338	6476	Ho 260	7587	OZ 309	9570	Z 2574	11943	β 711
5071	Z 1348	6500	β 113	7778	Z 2106	9602	Z 2576	12273	β 992
5171	Z 1374	6630	τ <i>Bootis</i>	7834	20 <i>Draco.</i>	9643	ζ <i>Sagittæ</i>	12289	95 <i>Aquar.</i>
5397	Z 1426	6663	β 614	7863	β 823	9994	Z 2652	12655	Z 3047
5409	OZ 216	6758	OZ 277						

VI. STARS OF THE δ *cygni* TYPE

216	H 1968	2548	Z 634	5385	Z 1423	9053	17 <i>Lyræ</i>	11214	μ <i>Cygni</i>
384	Z 53	2835	Z 742	5388	λ <i>Leonis</i>	9434	Z 2541	11483	ξ <i>Cephei</i>
1131	OZ (App) 24	4098	Z 1104	5858	Z 1561	9560	16 <i>Cygni</i>	11866	Z 2928
1393	θ <i>Persei</i>	4402	Z 1175	6263	Z 1678	9944	Z 2642	11968	Z 2944
1612	12 <i>Erid.</i>	4815	Z 1280	7060	Sh 190	10044	Z 2658	12304	\circ <i>Cephei</i>
1787	Z 422	4923	σ^2 <i>Ursæ</i>	7551	49 <i>Serp.</i>	10504	Z 2725	12639	Z 3046
2027	OZ 531	4972	Z 1321	7905	36 <i>Ophiu.</i>	10732	61 <i>Cygni</i>	12740	OZ 547
2336	Z 589	4999	Z 1329	7922	δ <i>Herc.</i>				

VII. COMMON PROPER MOTION

87	35 <i>Pisc.</i>	584	OZ 22	1034	58 <i>Ceti</i>	1554	β 1174	1939	32 <i>Erid.</i>
99	H 1947	609	OZ 23	1051	49 <i>Cass.</i>	1558	H 3548	1950	ϵ <i>Persei</i>
102	Z 16	638	H 2026	1061	α <i>Pisc.</i>	1559	52 <i>Arietis</i>	1952	Z 460
116	38 <i>Pisc.</i>	648	ζ <i>Pisc.</i>	1078	Z 204	1576	Z 345	1962	β 543
131	26 <i>And.</i>	652	OZ 28	1122	5 <i>Persei</i>	1601	β 1176	2041	Z 3114
135	Z 25	655	37 <i>Ceti</i>	1125	59 <i>And.</i>	1608	94 <i>Ceti</i>	2084	47 <i>Tauri</i>
162	OZ 6	672	Z 102	1137	ϵ <i>Triang.</i>	1642	Z 368	2102	39 <i>Erid.</i>
239	28 <i>And.</i>	678	Z 107	1139	Z 226	1663	Z 375	2106	VI. 98
322	Z 42	697	35 <i>Cass.</i>	1149	66 <i>Ceti</i>	1692	β 531	2147	χ <i>Tauri</i>
354	δ <i>And.</i>	713	<i>Polaris</i>	1252	β 738	1709	34 <i>Persei</i>	2150	Ho 329
360	55 <i>Pisc.</i>	718	Z 115	1280	Z 270	1711	Z 390	2162	62 <i>Tauri</i>
401	β 492	732	ψ <i>Cass.</i>	1289	Z 271	1720	66 <i>Arietis</i>	2183	δ <i>Tauri</i>
422	Z 59	854	103 <i>Pisc.</i>	1328	ν <i>Ceti</i>	1730	Z 399	2200	Z 546
439	65 <i>Pisc.</i>	870	Z 145	1332	30 <i>Arietis</i>	1737	Z 407	2266	α <i>Tauri</i>
463	O. S. 3	872	44 <i>Cass.</i>	1341	Z 282	1755	OZ 57	2267	88 <i>Tauri</i>
467	Z 70	877	Z 147	1364	33 <i>Arietis</i>	1783	S 430	2274	Z 565
480	Z 74	887	β 870	1386	84 <i>Ceti</i>	1854	Z 443	2407	Z 612
488	γ <i>Cass.</i>	928	ϵ <i>Sculp.</i>	1398	β 306	1875	η <i>Tauri</i>	2435	ω <i>Aurig.</i>
553	26 <i>Ceti</i>	963	1 <i>Arietis</i>	1401	γ <i>Ceti</i>	1913	Z 455	2451	Z 618
570	ψ^1 <i>Pisc.</i>	993	γ <i>Arietis</i>	1462	γ <i>Fornacis</i>	1924	30 <i>Erid.</i>	2452	Z 623
573	σ^2 <i>Pisc.</i>	1028	λ <i>Arietis</i>	1490	Z 326	1927	OZ 67	2468	S 461
574	77 <i>Pisc.</i>	1040	Z 191	1510	Z 331	1933	42 <i>Persei</i>	2495	9 <i>Aurig.</i>

VII. COMMON PROPER MOTION—*Continued*

2509	OΣ 95	4227	Σ 1134	5349	OΣ 213	6239	Σ 1669	6795	Σ 1825
2521	γ Caeli	4250	2 Navis	5371	39 Leonis	6245	31 Virg.	6802	ι Bootis
2622	β 318	4269	5 Navis	5422	Σ 1428	6268	Σ 1679	6803	β 1246
2623	16 Aurigae	4280	Σ 1147	5431	OΣ 217	6277	Σ 1680	6837	Σ 1833
2654	A 53	4359	Sh 86	5437	OΣ 218	6289	Σ 1685	6844	Σ 1840
2712	η Orionis	4417	Σ 1169	5444	OΣ 219	6292	32 Comae	6872	Σ 1849
2745	Σ 711	4447	11 Cancrī	5474	Σ 1447	6295	Σ 1686	6876	52 Hydrae
2769	β Leporis	4456	29 Monoc.	5484	49 Leonis	6302	Σ 1688	6880	φ Virg.
2775	31 Orionis	4505	OΣ 188	5492	φ ² Hydrae	6312	OΣ 256	6896	β 117
2783	32 Orionis	4531	Σ 1211	5493	OΣ 222	6313	12 Can. Ven.	6954	π Bootis
2821	λ Orionis	4576	Σ 1217	5537	Δ	6318	Σ 1695	6977	Σ 1872
2841	42 Orionis	4602	v ¹ Cancrī	5558	OΣ 228	6337	44 Virg.	6989	54 Hydrae
2902	ξ Orionis	4609	ο Ursae	5590	S 617	6342	46 Virg.	6993	ε Bootis
2915	Σ 769	4677	Σ 1245	5603	54 Leonis	6343	37 Comae	7004	Σ 1882
2924	Σ 779	4705	β 584	5605	55 Leonis	6346	Σ 1705	7012	μ Librae
2936	OΣ 115	4709	Σ 1255	5676	65 Leonis	6354	Σ 1709	7014	Σ 1884
2948	λ Leporis	4710	Σ 1254	5679	Σ 1510	6367	48 Virg.	7031	39 Bootis
2972	OΣ 118	4763	ι Cancrī	5695	OΣ 231	6389	β 799	7040	β 31
3073	β 1055	4819	OΣ (App) 96	5722	Σ 1520	6390	Σ 1719	7077	18 Librae
3099	35 Camel.	4820	Perrotin	5733	OΣ 233	6393	OΣ 259	7079	β 1085
3116	3 Monoc.	4859	17 Hydrae	5735	v Ursae	6405	θ Virg.	7099	Sh 191
3172	Σ 849	4866	ι Ursae	5739	Σ 1527	6410	17 Can. Ven.	7103	OΣ 291
3176	OΣ 134	4870	α Cancrī	5744	Σ 1529	6422	54 Virg.	7108	Ho 391
3181	41 Aurigae	4880	Σ 1297	5773	γ Crateris	6434	Σ 25 (App) I	7126	47 Bootis
3258	β 894	4883	66 Cancrī	5779	83 Leonis	6452	H 529	7150	ι Librae
3313	S 513	4891	67 Cancrī	5793	57 Ursae	6474	Σ 1740	7162	Σ 1919
3402	11 Monoc.	4929	Σ 1311	5801	OΣ (App) 111	6482	ξ Ursae	7187	OΣ 293
3414	λ Can. Maj.	4941	Σ 1316	5812	88 Leonis	6490	β 237	7193	Σ 1925
3422	OΣ 143	5003	Σ 1332	5819	Σ 1549	6498	OΣ (App) 123	7194	δ Bootis
3455	S 524	5014	38 Lyncis	5820	17 Crateris	6502	Σ 1748	7201	β 227
3518	54 Aurigae	5023	37 Lyncis	5833	90 Leonis	6509	72 Virg.	7208	β 228
3541	Σ 946	5038	39 Lyncis	5841	Σ 1555	6534	β 932	7213	5 Serp.
3587	Σ 958	5055	OΣ 200	5921	93 Leonis	6546	S 651	7222	6 Serp.
3633	Σ 968	5059	21 Ursae	5949	Sh 132	6551	Σ 1767	7268	Sh 202
3647	36 Gemino.	5062	κ Leonis	5960	OΣ (App) 112	6556	Σ 1762	7299	β 944
3650	β 897	5094	Σ 1355	5968	Σ 1582	6558	81 Virg.	7352	ξ Coronae
3653	59 Aurigae	5097	29 Hydrae	5975	Σ 1586	6561	Σ 1766	7359	β 35
3689	Σ 981	5104	23 Ursae	6018	2 Comae	6571	Σ 1769	7362	π ¹ Urs. Min.
3692	38 Gemino.	5105	3 Leonis	6040	Σ 1603	6573	Σ 1770	7386	β Serp.
3721	19 Can. Min.	5110	τ Hydrae	6064	Σ 1608	6586	ι Bootis	7418	2 Scorp.
3752	41 Gemino.	5116	Σ 1360	6068	Σ 1609	6589	Σ 1774	7428	Σ 1984
3793	Σ 1009	5152	Σ 1371	6084	Σ 1616	6599	84 Virg.	7433	Σ 1985
3862	τ Gemino.	5154	7 Leonis	6090	Σ 1619	6612	85 Virg.	7453	ε Cor. Bor.
3948	47 Camel.	5158	Σ 1372	6102	2 Can. Ven.	6616	β 115	7454	Σ 3101
3951	λ Gemino.	5212	v Ursae	6107	Σ 1625	6618	86 Virg.	7498	β 811
3973	19 Lyncis	5239	9 Sext.	6113	Σ 1627	6696	Σ 1795	7502	11 Scorp.
3974	20 Lyncis	5259	Σ 1399	6127	β 605	6701	τ Virg.	7531	τ Cor. Bor.
3986	65 Aurigae	5276	Σ 1401	6133	11 Comae	6725	Σ 1802	7532	12 Scorp.
4074	η Can. Min.	5304	Σ 1406	6147	17 Virg.	6729	Σ 1804	7533	v Scorp.
4130	OΣ 175	5328	31 Leonis	6148	12 Comae	6776	Σ 1820	7570	v Cor. Bor.
4202	Σ 1122	5331	α Leonis	6180	17 Comae	6778	κ Bootis	7581	δ Scorp.
4226	κ Gemino.	5334	β 911	6183	δ Corvi	6783	Σ 1823	7592	τ Herc.

VII. COMMON PROPER MOTION *Continued*

7599	H 4850	8209	Σ 3128	9518	Ku 2	10676	λ Equul.	12021	Σ 2950
7609	β 1115	8235	90 Herc.	9569	β 658	10705	β 1188	12032	O Σ 482
7624	ω Herc.	8274	γ Draco.	9617	χ Cygni	10719	O Σ (App.) 214	12063	Σ 2957
7631	α Scorp.	8284	67 Ophiu.	9634	π Aquilae	10727	Σ 2752	12078	β 452
7633	Σ 2048	8297	Σ 2261	9677	19 Cygni	10782	γ Equul.	12090	O Σ 536
7634	η Draco.	8302	95 Herc.	9697	56 Aquilae	10794	Σ 2765	12102	H 1838
7642	Σ 2052	8320	Σ 2271	9707	57 Aquilae	10841	O Σ 432	12144	O Σ 487
7648	ϕ Ophiu.	8377	100 Herc.	9713	ϵ Draco.	10926	Σ 2789	12184	Σ 2984
7668	31 Herc.	8388	β 637	9719	Σ 2597	10932	1 Pegasi	12188	57 Peg.
7677	32 Herc.	8429	16 Sagitt.	9724	β Aquilae	10980	β 683	12228	Σ 2990
7699	β 820	8441	40 Draco.	9752	η Cygni	10994	Σ 2801	12229	Σ 2992
7703	17 Draco.	8449	η Sagitt.	9765	ψ Cygni	11046	β Cephei	12234	Σ 2993
7711	36 Herc.	8508	Ho 566	9833	16 Vulp.	11103	3 Pegasi	12257	ψ' Aquar.
7714	42 Herc.	8529	21 Sagitt.	9949	Σ 2634	11107	Σ 57, App. I	12285	8 Androm.
7730	Σ 2087	8562	59 Serp.	9950	Σ 2635	11129	β 686	12292	94 Aquar.
7740	41 Herc.	8574	39 Draco.	9955	θ Sagittae	11151	β 687	12296	96 Aquar.
7749	46 Herc.	8578	ϕ Draco.	10011	Σ 2651	11164	75 Cygni	12299	O Σ 493
7758	19 Ophiu.	8642	Σ 2339	10012	S 740	11355	Batt.	12325	64 Peg.
7777	21 Ophiu.	8669	Σ 2348	10025	A, C. 17	11372	O Σ 455	12332	Σ 3007
7779	52 Herc.	8779	ϕ Aquilae	10057	α^2 Capric.	11410	η Pisc. Aust.	12343	Σ 3010
7792	Ku 1	8788	ζ Lyrae	10077	β 661	11427	Σ 2851	12348	O Σ 495
7795	Σ 2109	8795	Σ 2385	10085	κ Cephei	11434	29 Aquar.	12372	β 386
7798	Σ 3106	8825	Σ 2403	10112	β Capric.	11464	β 696	12378	Σ 3013
7804	54 Herc.	8868	β Lyrae	10135	Σ 2671	11477	15 Cephei	12392	Σ 3017
7847	β 822	8879	ν' Sagitt.	10180	Ho 128	11490	Σ 2862	12413	Σ 3021
7854	Σ 2119	8914	θ Serp.	10216	S 749	11514	Σ 2873	12425	Wn 6
7872	Σ 2128	8926	β 1255	10228	ρ Capric.	11576	41 Aquar.	12468	O Σ 500
7914	α Herc.	8955	γ Lyrae	10240	Ho 131	11690	33 Peg.	12494	O Σ 502
7925	Σ 2146	9020	ζ Aquilae	10246	\circ Capric.	11696	Σ 2903	12517	O Σ 503
7928	39 Ophiu.	9023	Σ 2451	10266	1 Delph.	11716	34 Peg.	12523	ω^2 Aquar.
7944	68 Herc.	9116	β 139	10271	β 987	11736	β 701	12532	78 Peg.
7962	Σ 2155	9137	Σ 2486	10281	Da 1	11773	O Σ 472	12543	107 Aquar.
8003	ρ Herc.	9189	23 Aquilae	10289	β 668	11779	Σ 2917	12562	β 995
8062	β Draco.	9195	24 Aquilae	10302	H 2975	11823	Hn 51	12571	δ Sculp.
8065	54 Ophiu.	9207	28 Aquilae	10476	51 Cygni	11828	Σ 2924	12575	6 Cassiop.
8068	Σ 2185	9276	β 1129	10506	52 Cygni	11834	Σ 2923	12608	β 996
8076	ν Draco.	9330	H N. 119	10509	γ Delph.	11845	H 1791	12651	O Σ 512
8114	Σ 2194	9343	Σ 2530	10526	H 2998	11873	Ho 295	12656	Σ 3048
8120	β 1251	9374	β Cygni	10572	H 3003	11895	Ho 296	12664	27 Pisc.
8136	61 Ophiu.	9401	Σ 2540	10574	β 154	11957	ξ Peg.	12666	σ Cassiop.
8163	Σ 2215	9427	β 655	10616	γ Aqua.	11966	O Σ 480	12750	Σ 3060
8182	ψ Draco.	9485	θ Cygni	10626	Howe 55	11997	Σ 2947		

VIII. RECTILINEAR MOTION

19	α Androm.	248	49 Pisc.	417	H V. 82	560	Σ 86	741	θ Ceti.
24	β Cass.	275	52 Pisc.	437	O Σ (App) 9	626	H 634	758	ω And.
118	Σ 23	322	Σ 42	444	Σ 63	672	Σ 102	759	Σ 118
144	S 384	340	Σ 44	458	β 497	707	42 Ceti.	761	Σ 125
165	42 Pisc.	346	Σ 45	474	Σ 69	732	ψ Cass.	794	Σ 132
205	Σ 30	361	α Cass.	497	μ And.	734	O Σ (App) 117	798	Σ 133
212	O Σ 10	368	Σ 49	519	Σ 80	740	44 Ceti.	831	H 2061

RECTILINEAR MOTION—Continued

860	Z 142	2727	S 483	5365	OZ 215	6828	Ho 384	8255	Z 2253
862	Z 143	2738	Z 704	5368	† Leonis	6832	Z 1834	8295	OZ (App) 163
882	107 Pisc.	2807	Z 735	5412	Sh 115	6840	H 2714	8316	Ho 564
884	OZ 35	2923	Z 782	5466	H 2534	6869	DM	8325	Z 2268
953	Z 171	3053	S 503	5477	S 610	6881	Z 1847	8359	72 Ophiu.
974	Z 175	3112	H 3823	5478	Z 1449	6894	Z 1887	8428	Z 2295
980	Z 177	3183	Z 853	5500	OZ 223	6910	ρ Bootis	8498	η Serp.
1008	56 And.	3190	Z 859	5508	Z 1457	6915	γ Bootis	8512	Z 2311
1025	S 404	3194	Z 861	5535	40 Leo. Min.	7013	Z 1883	8618	Z 2330
1043	Z 196	3241	71 Orionis	5557	Z 1472	7044	OZ 287	8643	Z 2340
1044	47 Cass.	3267	Z 878	5593	δ ² Hydrae	7048	OZ (App) 131	8646	OZ (App) 171
1050	Z 197	3330	μ Gemino.	5595	Z 1484	7049	OZ 288	8650	OZ 356
1083	61 Ceti	3383	15 Gemino.	5665	χ Leonis	7098	Z 1901	8654	Z 2342
1116	14 Arietis	3495	Z 943	5691	S 621	7202	OZ (App) 137	8660	Z 2345
1131	OZ (App) 24	3499	S 529	5699	OZ (App) 108	7212	Z 1934	8673	Z 2346
1141	6 Persei	3562	OZ 154	5706	Z 1516	7237	Z 3093	8692	α Lyrae
1179	Hastings	3585	56 Aurigae	5729	φ Leonis	7277	Z 1945	8792	Z 2393
1191	Z 242 rej.	3685	Z 978	5775	81 Leonis	7302	β 945	8824	Z 2396
1209	• Ceti	3797	† Gemino.	5790	τ Leonis	7320	OZ 297	8830	Z 2400
1224	Z 254	3844	45 Gemino.	5841	Z 1555	7326	Z 1961	8902	Z 2416
1291	β 304	3853	OZ (App) 83	5859	OZ 237	7361	OZ (App) 141	8906	• Draco.
1389	Z 293	3878	OZ 168	5878	Z 3073	7372	α Serp.	8925	Z 2421
1390	μ Arietis	3905	52 Gemino.	5929	β Leonis	7404	β 415	8940	11 Aquilae
1450	41 Arietis	3909	Z 1047	6006	Z 1588	7422	Z 1983	8943	Z 2427
1487	Z 325	3991	Z 1071	6012	Z 1594	7466	Z 1993	8983	Z 2436
1492	Z 328	4059	63 Gemino.	6035	Z 1602	7480	ρ Cor. Ber.	8986	Z 2434
1595	Z 343	4075	γ Can. Min.	6046	Z 1604	7490	Z 2006	9001	Z 2442
1729	OZ 56	4187	Procyon	6063	Z 1607	7500	Z 2007	9003	Z 2444
1789	Z 418	4219	Z 1132	6083	H 203	7514	α Herc.	9041	Z 2456
1821	Z 436	4233	β Gemino.	6131	† Corvi	7542	Z 2017	9043	Z 2455
1827	Z 434	4249	π Gemino.	6161	Z 1641	7596	γ Herc.	9075	Z 2472
1839	β 1041	4264	Z 1142	6174	Z 1643	7608	ν Cor. Ber.	9116	OZ (App) 177
1848	H 3251	4265	Z 1136	6211	Z 1658	7612	23 Herc.	9225	OZ (App) 181
1869	Z 447	4361	14 Can. Min.	6215	Z 1659	7636	OZ 311	9243	Z 2507
1905	Z 459	4418	Z 1179	6225	Z 1684	7640	β 815	9251	Z 2514
1975	γ Erid.	4501	Z 1193	6230	S 639	7708	Z 2080	9260	H 5113
2016	β 1004	4581	S 565	6274	S 642	7747	43 Herc.	9277	2 Sagittae
2026	β 545	4655	θ Cancri	6308	δ Virg.	7800	OZ 317	9282	Z 2515
2130	φ Tauri	4680	Z 1240	6333	Z 1703	7845	33 Ophiu.	9294	4 Vulp.
2188	Z 544	4682	Z 3119	6345	β 112	7855	60 Herc.	9300	3 Cygni
2198	Z 547	4699	H 99	6414	53 Virg.	7858	Z 2120	9308	Z 2521
2239	57 Persei	4743	Z 1263	6415	OZ 261	7873	OZ 323	9317	β 1286
2426	α ² Orionis	4747	δ Cancri	6431	Sh 162	7935	Z 2145	9350	6 Vulp.
2430	Z 613	4941	Z 1316	6447	61 Virg.	7957	ν Serp.	9355	Z 2532
2446	Z 619	4984	θ Hydrae	6493	Z 1746	7976	72 Herc.	9358	Ho 578
2558	Z 629	4987	Z 1327	6494	OZ 266	8067	53 Ophiu.	9381	Z 2536
2560	Z 651	5090	41 Lyncis	6512	OZ 268	8068	Z 2185	9404	μ Aquilae
2584	ρ Orionis	5134	ℎ N. 29	6611	S 652	8107	Z 2192	9458	• Sagittae
2594	κ Leporis	5175	14 Leonis	6664	OZ (App) 127	8118	Z 2199	9485	θ Cygni
2627	λ Aurigae	5292	Z 1402	6670	η Bootis	8183	Z 2227	9521	Z 2564
2668	OZ 104	5336	Z 1409	6716	Z 1801	8187	Z 2230	9619	ℎ N. 110
2703	111 Tauri	5342	λ Hydrae	6801	Z 1830	8245	Ho 72	9657	α Aquilae

RECTILINEAR MOTION—Continued

9690	H 2904	10402	Σ 2708	10838	Σ 2778	11592	Σ 2877	12068	16 <i>Lacert.</i>
9712	Σ 2596	10473	OΣ 411	10922	OΣ 437	11625	β 377	12069	Σ 2959
9774	Ho 276	10477	<i>Arg.</i> 39	10943	S 788	11646	30 <i>Peg.</i>	12075	β 849
9786	OΣ 393	10512	ε <i>Cygni</i>	10951	Σ 2796	11657	Σ 2895	12134	β <i>Peg.</i>
9814	Σ 2612	10533	λ <i>Cygni</i>	11001	Σ 2799	11659	OΣ 469	12172	Σ 2976
9834	Σ 2615	10535	η <i>Cephei</i>	11032	Σ 2803	11663	γ <i>Aquar.</i>	12305	OΣ (App) 244
9875	OΣ 397	10540	Σ 2728	11051	Σ 2804	11715	53 <i>Aquar.</i>	12317	Σ 3006
9935	Σ 2640	10577	OΣ (App) 211	11115	4 <i>Pegasi</i>	11761	<i>Kr.</i> 60	12340	Σ 3008
10005	Σ 2649	10590	OΣ 416	11184	76 <i>Cygni</i>	11786	α <i>Lacert.</i>	12369	κ <i>Pisc.</i>
10009	Σ 2646	10595	Σ 2734	11267	Σ 2837	11789	Σ 2915	12384	OΣ (App) 246
10044	Σ 2658	10609	16 <i>Delph.</i>	11272	Σ 2828	11796	Σ 2919	12434	Σ 60, App. I
10264	β 363	10690	Σ 2746	11396	Sh 336	11910	12 <i>Lacert.</i>	12479	Σ 3028
10298	ω ² <i>Cygni</i>	10695	H 1607	11428	20 <i>Pegasi</i>	11930	OΣ 477	12497	κ <i>Androm.</i>
10325	H 1535	10723	Σ 2753	11433	OΣ (App) 228	11952	Σ 2941	12552	Σ 3039
10335	<i>Cin.</i>	10725	Σ 2754	11471	Σ 2860	11967	τ ¹ <i>Aquar.</i>	12563	Σ 3041
10356	OΣ (App) 208	10741	Σ 2759	11472	OΣ 460	11985	τ ² <i>Aquar.</i>	12618	OΣ (App) 251
10361	Σ 2703	10746	Σ 2760	11504	Σ 2865	12019	β 451	12675	Σ 3050
10373	48 <i>Cygni</i>	10829	δ <i>Equul.</i>	11559	H 1741	12044	Σ 2954	12731	Σ 3056
10390	κ <i>Delph.</i>	10835	Σ 2779						

IX. SUSPECTED OR DOUBTFUL PAIRS

13	See 2	2885	OΣ 113	6145	OΣ 247	8162	μ <i>Herc.</i>	10062	H 5512
193	OΣ 8	2924	Σ 779	6156	OΣ 248	8299	68 <i>Ophi.</i>	10363	β <i>Delph.</i>
212	OΣ 10	2929	β 752	6181	OΣ 251	8359	72 <i>Ophi.</i>	10456	See 427
610	H 2021	2982	H 5465	6211	Σ 1658	8397	Ho 80	10531	Ho 143
624	45 <i>Androm.</i>	3078	OΣ 124	6257	OΣ 254	8439	Ho 268	10772	OΣ 429
643	35 <i>Ceti</i>	3236	H 3839	6300	H 1222	8553	H 5496	10807	Ho 283
708	See 12	3245	OΣ 135	6697	H 4640	8567	β 264	10945	18 <i>Aquar.</i>
1178	OΣ 39	3335	OΣ 138	6798	Howe 33	8590	Howe 43	11017	β 448
1464	H 3535	3560	Ho 237	6822	A. G. 194	8636	OΣ 355	11341	β 768
1793	OΣ 60	3611	β 756	7008	Ho 263	8738	See 357	11438	See 464
1887	27 <i>Tauri</i>	3725	μ <i>Can. Maj.</i>	7024	H 5489	8892	OΣ 364	11508	See 469
1924	30 <i>Erid.</i>	3866	β 329	7028	OΣ 286	8932	OΣ 365	11562	Ho 290
2043	OΣ 72	3931	OΣ 169	7139	H 4740	9013	β 1285	11754	OΣ 471
2196	71 <i>Tauri</i>	4266	Σ 1143	7237	Σ 3093	9230	Σ 2505	11812	β 705
2225	OΣ 83	4436	H 4041	7738	η <i>Herc.</i>	9282	Σ 2515	11840	OΣ 474
2313	τ <i>Tauri</i>	4455	ρ <i>Argus</i>	7775	<i>Schj.</i> 13	9519	55 <i>Sagitt.</i>	11846	H 5528
2314	54 <i>Erid.</i>	5090	41 <i>Lyncis</i>	7827	H 4911	9531	χ <i>Aquil.</i>	11848	κ <i>Aquar.</i>
2394	OΣ 88	5493	OΣ 222	7846	ε <i>Urs. Min.</i>	9532	See 393	12154	ν <i>Gruis</i>
2425	OΣ 89	5534	Hn 11	7858	Σ 2120	9719	Σ 2597	12232	OΣ 491
2506	OΣ 97	5594	Ma 5	7992	β	9774	Ho 276	12242	β 715
2597	α <i>Aurig.</i>	5865	Weisse 27	8017	Σ 2165	9779	Ho 582	12332	Σ 3007
2745	Σ 711	6017	β 458	8018	See 329	9788	See 401	12335	66 <i>Peg.</i>
2759	See 53	6039	AC. 6	8038	Σ 2173	9942	Da 12	12686	A. G. 299
2817	38 <i>Orionis</i>	6114	OΣ 246	8083	OΣ 333	9968	See 409		

X. INDEX TO BRIGHT STARS HAVING THE FLAMSTEED AND BAYER CONSTELLATION NUMBERS AND LETTERS, WITH PHOTOMETRIC MAGNITUDES FROM HARVARD (*h*) AND POTSDAM (*p*) OBSERVATIONS.

Andromeda			Aquarius—Cont.			Aries—Cont.			Cameleopardalis		
12125	2	5.30 <i>p</i>	12331	98	4.42 <i>h</i>	1364	33	5.70 <i>p</i>	1843	γ	4.65 <i>h</i>
12179	4	5.33	12511	104	5.07	1390	μ 34	5.95	1927	9 (Hev)	5.09 <i>h</i>
12285	8	4.96	12523	ω^2 105	4.53	1448	π 42	5.60	2220	1	6.18
12497	κ 19	4.46	12543	107	5.46 <i>h</i>	1450	41	3.68			7.58 <i>p</i>
19	α 21	2.44	Aquila			1512	ϵ 48	4.75	2279	2	5.56 <i>p</i>
131	26	6.14				1559	52	5.86	2280	3	5.18 <i>p</i>
239	28	5.40	8725	2	4.60 <i>h</i>	1720	66	6.16 <i>p</i>	2386	5	5.79 <i>p</i>
329	π 29	4.54	8779	5	5.66 <i>h</i>	Auriga			2406	7	4.72 <i>p</i>
354	δ 31	3.50	8940	11	5.40 <i>p</i>				2435	ω 4	5.10 <i>p</i>	2455	$\beta$ 10	4.22 h
482	36	5.65	9005	15	5.36 <i>h</i>	2445	5	6.10 <i>p</i>	2480	11, 12	5.18 <i>p</i>
497	μ 37	4.09	9020	ζ 17	3.32 <i>p</i>	2459	ϵ 7	3.18 <i>h</i>			6.14 <i>p</i>
542	39	6.14	9118	21	5.40 <i>p</i>	2495	9	5.16 <i>p</i>	2959	29	6.74 <i>p</i>
600	ϕ 42	4.45	9189	23	5.24 <i>h</i>	2591	14	5.07	3099	35	6.63 <i>p</i>
605	β 43	2.33	9195	24	6.56 <i>p</i>	2597	α 13	0.46	3948	47	....
624	45	6.08	9207	28	5.70 <i>p</i>	2623	16	4.57	4481	56	....
758	ω 48	5.02	9299	ν 32	4.82 <i>p</i>	2627	λ 15	4.84	Canes Venatici		
861	τ 53	5.27	9404	μ 38	4.58 <i>p</i>	2690	σ 21	5.16	6102	2	5.75 <i>p</i>
989	55	5.47	9486	σ 44	5.30 <i>p</i>	2857	26	5.68	6313	α 12	3.12
1008	56	5.81	9504	45	5.55 <i>h</i>	2968	τ 29	4.70	6410	17	6.18
1070	γ 57	2.37	9531	χ 47	5.40 <i>p</i>	2996	ν 32	4.22	6566	25	5.02 <i>p</i>
1125	59	6.52 <i>p</i>	9634	π 52	5.80 <i>p</i>	3064	β 34	2.23	Cancer		
		7.11 <i>p</i>	9657	α 53	1.15 <i>p</i>	3074	θ 37	2.88	4383	ω^2 4	6.06 <i>p</i>
Aquarius			9649	51	5.57 <i>h</i>	3181	41	6.54	4447	11	7.28
10386	1	5.30 <i>h</i>	9697	56	6.02 <i>h</i>	3518	54	6.32	4477	ζ 16	4.81
10559	4	6.03	9707	57	5.53 <i>h</i>	3585	56	5.51	4529	β 17	3.74
10616	7	5.66			6.61 <i>h</i>	3653	59	6.38	4597	ϕ^1 22	5.78
10698	12	5.57	9724	β 60	3.90 <i>p</i>	3986	65	5.26 <i>p</i>	4601	ϕ^2 23	5.77
10843	14	6.77	9960	θ 65	3.35 <i>h</i>	Boötes			4602	ν^1 24	7.56 <i>p</i>
10945	18	5.51	10367	71	4.57 <i>h</i>				6586	1	5.96 <i>p</i>			8.12 p
11026	β 22	2.99	Argo			6630	τ 4	4.74	4655	θ 31	5.52
11125	24	6.84	4197	κ	3.79 <i>h</i>	6670	η 8	3.08	4711	ϵ 41	6.56 <i>p</i>
11434	29	6.49	4240	1	4.80	6736	13	5.40			6.70 <i>p</i>
11576	41	5.40	4281	\circ	4.55	6778	κ 17	4.67	4747	δ 47	4.10
11663	γ 48	3.81	4290	ξ	3.51	6802	ι 21	4.98	4763	ι 48	4.22 <i>p</i>
11691	51	5.82	4310	9	5.30	6910	ρ 25	3.84			7.12 <i>p</i>
11715	53	5.68	4455	ρ	2.89	6915	γ 27	3.36	4822	51	5.98
11743	ζ 55	3.66	4480	19	4.74 <i>h</i>	6954	π 29	4.61	4823	53	6.44
11848	κ 63	5.22	Aries			6955	ζ 30	4.04	4839	ι^2 57	5.58
11967	τ^1 69	5.62				963	1	6.08 <i>p</i>	6993	ϵ 36	2.68	4870	$\alpha$ 65	4.58
11985	τ^2 71	4.36	993	γ 5	4.15	7031	39	5.74	4874	64	5.46
12143	83	5.39	1028	λ 9	5.02	7034	ξ 37	4.82	4883	66	6.19
12143	84	7.55	1074	10	5.94	7120	44	5.01	4891	67	6.34 <i>p</i>
12257	ψ^1 91	4.51	1098	11	7.47	7126	47	5.79	Canis Major		
12292	94	5.16	1116	14	5.24	7194	δ 49	3.60	3414	λ 3	
12289	ψ^3 95	5.22	1332	30	6.82 <i>p</i>	7258	μ 51	4.62 <i>p</i>	3453	ξ^1 4	4.34 <i>h</i>
12296	96	5.68									
12329	97	5.21 <i>h</i>									

X. INDEX TO BRIGHT STARS ETC.—Continued

<i>Canis Major—Cont.</i>			<i>Cassiopeia—Cont.</i>			<i>Coma Berenices—Cont.</i>			<i>Cygnus—Cont.</i>		
3503	ν^1 6	5.61 <i>h</i>	691	ϕ 34	5.18 <i>p</i>	6212	24	5.15 <i>p</i>	10315	ω^2 46	5.46 <i>p</i>
3596	α 9	—1.72	697	35	6.32 <i>h</i>	6287	30	5.96	10373	48	6.66
3713	π^2 17	5.68	732	ψ 36	4.96 <i>h</i>	6292	32	6.36	10437	49	5.71
3721	π^3 19	4.70	819	40	5.46 <i>h</i>	6292	33	7.04	10453	α 50	1.62
3725	μ 18	5.21	872	44	5.53 <i>h</i>	6296	35	5.13	10476	51	5.69
3761	ϵ 21	1.68	1044	47	5.40 <i>h</i>	6343	37	5.09	10506	52	4.45
3980	30	4.94 <i>h</i>	1036	48	4.60 <i>h</i>	6406	α 42	4.56 <i>p</i>	10512	ϵ 53	2.74
<i>Canis Minor</i>			1051	49	5.29 <i>h</i>	<i>Corona Borealis</i>			10533	λ 54	4.84
4074	η 5	5.49 <i>p</i>	1262	ι	4.61 <i>h</i>	7251	η	5.24 <i>p</i>	10558	55	5.04
4075	γ 4	4.34	<i>Cepheus</i>			7352	ζ 7	4.83	10670	59	4.88
4187	α 10	0.75	10085	κ 1	4.40 <i>h</i>	7362	γ 8	4.04	10686	60	5.60
4361	14	5.51 <i>p</i>	10535	η 3	3.59 <i>h</i>	7368	λ	5.68	10732	61	5.44
<i>Capricornus</i>			11046	β 8	3.32 <i>h</i>	7442	ϵ 13	4.33	10756	63	4.61
10033	3	6.41 <i>h</i>	11227	μ	3.92 <i>h</i>	7453	ρ	5.65		τ 65	3.96
10054	α^1 5	4.68	11477	15	6.88 <i>p</i>	7480	τ	4.98	10885	ν 66	4.61
10057	α^2 6	3.80	11483	ξ 17	4.40 <i>h</i>	7531	σ	5.43	10983	69	6.16
10070	σ 7	5.50	11489	19	5.16 <i>h</i>	7563	ν 18	5.98	11164	75	5.20
10104	ν 8	5.00	11772	δ 27	<i>Var.</i>	7570	ν^1 20	5.37	11184	76	6.31
10106	β^1	6.19	12196	π 33	4.56 <i>h</i>	7608	ν^2 21	5.54 <i>p</i>	11214	μ 78	4.74
10112	β^2 9	3.16	12304	\circ	4.90 <i>h</i>	<i>Corvus</i>			11208	79	5.88 <i>p</i>
10207	π 10	5.13	<i>Cetus</i>			6131	ζ 5	6.06 <i>h</i>	<i>Delphinus</i>		
10228	ρ 11	4.99	141	ι 8	3.69 <i>h</i>	6183	δ 7	3.02 <i>h</i>	10286	1	6.15 <i>p</i>
10246	\circ 12	5.59	242	12	3.57 <i>h</i>	<i>Crater</i>			10363	β 6	4.02
10372	τ^2 14	5.22	314	13	4.66 <i>h</i>	5773	γ 15	4.02 <i>h</i>	10390	κ 7	5.17
10484	17	5.82	553	26	6.21 <i>p</i>	5820	17	5.02 <i>h</i>	10401	α 9	4.14
10722	24	4.61	643	35	6.79 <i>p</i>	<i>Cygnus</i>			10509	γ 12	4.19
10744	χ 25	5.27	655	37	5.20 <i>h</i>	9300	3	6.42 <i>p</i>	10520	13	5.72
10877	ζ 34	4.07	707	42	5.92 <i>h</i>	9374	β 6	3.18	10546	15	5.88
11077	ϵ 39	4.72	740	44	6.46 <i>h</i>	9470	9	5.53	10609	16	5.58 <i>p</i>
11158	41	5.35	741	θ 45	3.86 <i>h</i>		θ 13	4.62	<i>Draco</i>		
11239	δ 49	2.95 <i>h</i>	778	48	5.13 <i>h</i>	9485	16	6.32	6662	10	4.77 <i>h</i>
<i>Cassiopeia</i>			877	χ^1	5.74 <i>h</i>	9560		6.31	7634	η 14	2.89 <i>h</i>
12202	2	5.84 <i>p</i>	1034	58	6.57 <i>h</i>	9617	χ 17	5.10	7702	16	5.64 <i>p</i>
12354	4	5.17 <i>h</i>	1083	61	6.01 <i>h</i>	9605	δ 18	3.19	7702	17	5.32 <i>p</i>
12575	6	5.53 <i>h</i>	1149	66	5.63 <i>h</i>	9677	19	5.16	7834	20	4.82 <i>h</i>
12666	σ 8	4.92 <i>p</i>	1209	\circ 68	<i>Var.</i>	9752	η 21	4.18	7878	μ 21	5.06 <i>p</i>
12727	9	6.13 <i>h</i>	1328	ν 78	5.06 <i>p</i>	9765	ψ 24	5.11	8062	β 23	3.02 <i>p</i>
24	β 11	2.58 <i>p</i>	1386	84	5.73 <i>h</i>	9854	26	5.12	8076	ν^1 24	5.18 <i>p</i>
260	λ 14	4.93 <i>p</i>	1401	γ 86	3.80 <i>p</i>	10036	\circ^2 31	4.00	8076	ν^2 25	5.16 <i>p</i>
361	α 18	2.25 <i>h</i>	1608	94	5.14 <i>h</i>	10060	32	4.18	8099	26	5.34 <i>h</i>
391	21	5.60 <i>h</i>	1650	95	5.52 <i>h</i>	10168	γ 37	2.50	8182	ψ 31	4.58 <i>h</i>
395	\circ 22	4.86 <i>p</i>	<i>Coma Berenices</i>			10301	44	6.38	8274	γ 33	2.48 <i>p</i>
426	η 24	3.73 <i>p</i>	6018	2	6.31 <i>p</i>	10298	ω^2 45	5.16 <i>p</i>	8574	39	5.25 <i>p</i>
475	ν^1	5.01 <i>p</i>	6133	11	4.88				8441	40, 41	5.20 <i>h</i>
488	γ 27	2.47 <i>p</i>	6148	12	5.02				8578	ϕ 43	4.24 <i>h</i>
601	31	5.29 <i>h</i>	6180	17	5.62 <i>p</i>				8781	46	5.29 <i>p</i>

X. INDEX TO BRIGHT STARS ETC.—Continued

<i>Draco—Cont.</i>			<i>Gemini—Cont.</i>			<i>Hercules—Cont.</i>			<i>Leo—Cont.</i>		
8906	o 47	4.80 <i>p</i>	3862	τ 46	4.60	8377	100	5.45 <i>p</i>	5436	45	6.26 <i>p</i>
9713	e 63	3.99 <i>h</i>	3893	51	5.12	8382	102	4.62	5484	49	5.94
9892	64	5.42 <i>h</i>	3905	52	5.90	8786	110	4.47	5603	54	4.51
<i>Equuleus</i>			3951	λ 54	3.83	8908	113	4.72 <i>p</i>	5605	55	6.12 <i>p</i>
10643	e 1	5.26 <i>p</i>	3970	δ 55	3.70	<i>Hydra</i>			5610	57	6.86 <i>h</i>
10676	λ 2	6.90	4059	63	5.44	4612	2	5.22 <i>h</i>	5639	59	5.31 <i>p</i>
10782	γ 5	4.67	4083	65	5.31	4734	9	5.01 <i>h</i>	5665	χ 63	4.88
10829	δ 7	4.68	4122	α 66	1.97	4771	e 11	3.57 <i>p</i>	5676	65	5.79
10936	β 10	5.38 <i>p</i>	4164	70	5.88	4786	ρ 13	4.68 <i>p</i>	5709	δ 68	2.93 <i>p</i>
<i>Eridanus</i>			4226	κ 77	3.72	4828	15	5.54 <i>h</i>	5729	ϕ 74	4.58 <i>h</i>
1467	τ^2 2	4.89 <i>h</i>	4233	β 78	1.54	4859	17	6.03 <i>h</i>	5765	i 78	4.27 <i>p</i>
1549	ρ^2 9	5.49	4249	π 80	5.28	4884	θ 22	4.30 <i>p</i>	5775	81	5.92
1612	12	4.00	4260	82	6.47 <i>p</i>	5039	27	4.98 <i>h</i>	5779	83	6.81
1659	15	5.05	<i>Grus</i>			5097	29	6.45 <i>h</i>	5790	τ 84	5.38
1673	τ^4 16	4.03	11835	σ^2		5101	α 30	2.29 <i>h</i>		88	6.38
1924	30	5.35	12154	ν		5110	τ 31	4.63 <i>h</i>	5812	90	6.12
1939	32	4.58	<i>Hercules</i>			5342	λ 41	3.84 <i>h</i>	5833	93	4.75 <i>p</i>
1975	γ 34	3.38	7514	κ 7	5.08	5480	44	5.38 <i>h</i>	5921	β 94	2.23 <i>h</i>
2102	39	5.24	7596	γ 20	3.97	5492	ϕ^2	6.23 <i>h</i>	5929	95	5.80 <i>p</i>
2109	o 40	4.46				5593	δ^2	5.31 <i>h</i>	<i>Leo Minor</i>		
2268	46	5.68	7592	τ 22	4.18	6876	52	4.94 <i>h</i>	5113	7	6.08 <i>p</i>
2287	51	5.30	7612	23	6.65	6989	54	4.94 <i>h</i>	13189	11	5.66
2314	54	4.69	7624	ω 24	4.76	7070	59	5.56 <i>h</i>	5458	33	6.32
2330	55	5.93	7668	31	7.46	<i>Lacerta</i>			5535	40	5.70
2432	62	5.54	7677	32	7.24	11669	2	4.73 <i>p</i>	5548	42	5.59 <i>p</i>
2530	66	5.08 <i>h</i>	7711	36	7.17	11786	α 7	4.00	<i>Lepus</i>		
<i>Fornax</i>			7711	37	6.05	11839	8	5.92	2581	i 3	4.49 <i>h</i>
1462	γ		7717	37	6.05	11877	10	5.14	2594	κ 4	4.38
<i>Gemini</i>			7717	ζ 40	3.18	11910	12	5.58	2769	β 9	2.95
3182	3	6.03 <i>p</i>	7740	41	6.80	11938	13	5.30	2813	α 11	2.64 <i>h</i>
3191	4	7.12	7714	42	5.00	12019	15	4.98	<i>Libra</i>		
3239	η 7	<i>Var.</i>	7747	43	5.14	12068	16	5.78 <i>p</i>	6990	5	6.60 <i>h</i>
3330	μ 13	3.08	7738	η 44	3.77	<i>Leo</i>			7012	μ 7	5.38
3363	15	6.58	7749	46	7.50	5062	κ 1	4.68 <i>p</i>	7018	α 9	2.68
3397	ν 18	4.45	7779	52	5.02	5103	ω 2	5.64	7077	18	5.91
3435	20	6.58	7804	54	5.40	5105	3	6.04	7150	i' 24	4.53
3568	e 27	3.23	7805	56	6.30	5131	6	5.36	7219	o' 29	6.16
			7855	60	5.02	5154	7	6.64	7314	γ 38	4.10 <i>h</i>
3575	30	4.59	7914	α 64	<i>Var.</i>	5175	o 14	3.88	<i>Lynx</i>		
3647	36	5.63	7922	δ 65	3.47	5328	31	4.52	3277	4	6.34 <i>p</i>
3692	38	4.79	7944	68	5.12	5331	α 32	1.76	3338	5	5.28
3752	41	5.93	7972	70	5.52	5368	35	6.24	3559	12	5.00
3797	ζ 43	<i>Var.</i>	7976	72	5.72	5371	ζ 36	3.75	3625	14	5.54 <i>p</i>
3844	45	5.54	8003	ρ 75	4.36	5388	γ 41	2.45			
			8162	μ 86	3.64						
			8235	90	5.20						
			8302	95	4.54						
			8372	99	5.30 <i>p</i>						

X. INDEX TO BRIGHT STARS ETC.—Continued

Lynx—Cont.			Navis (Argo)			Orion—Cont.			Perseus—Cont.		
3678	15	4.53	4250	2	5.62 h	2883	σ 48	3.69 h	1834	38	3.85 p
3973	19	7.40	4270	5	5.63	2902	ζ 50	1.89 h	1818	40	5.16
3974	20	6.18	Ophiuchus			2976	52	5.46 p	1933	43	5.47
		7.84				3030	56	5.00 p	1921	ζ 44	3.14
4186	24	5.18	7613	ρ 5	4.70 h	3048	α 58	Var.	1950	ϵ 45	3.16
4432	27	5.00	7648	ϕ 8	4.41 h	3079	59	6.13 p	2073	μ 51	4.30
5014	38	4.05	7649	λ 10	4.05 p	3111	μ 61	4.36 p	2163	56	6.20
5023	37	6.40	7758	19	6.40 p	3206	68	6.12 p	2239	57	6.26 p
5038	39	7.32	7777	21	5.88 p	3241	71	5.51 p	Pisces		
5090	41	5.53 p	7801	24	5.54 h	3271	75	5.74 p			
Lyra			7845	33	5.68 h	Pegasus			12096	2	5.60 p
			7845	34	6.15 h				12369	κ 8	5.23 p
8692	α 3	0.41 p	7885	η 35	2.64 h	10932	1	4.28 p	12564	20	5.56 h
8783	ϵ^1 4	5.00	7905	36	4.64 h	11014	2	4.63	12664	27	5.09 h
8785	ϵ^2 5	4.92	7923	38	6.90 h	11103	3	6.52	38	34	5.78 p
8788	ζ 6	4.74	7928	39	5.13 h	11115	4	5.89	87	35	6.14
8862	ν^1 8	6.12	8067	53	6.01 p	11205	ϵ 8	2.76	116	38	6.76
8864	ν^2 9	5.42	8065	54	6.68 p	11222	κ 10	4.28	165	42	6.47
8868	β 10	Var.	8136	61	6.52 p	11428	20	5.92	193	44	5.91
8907	δ^1 11	5.98	8284	67	4.23 p	11526	π^1 27	4.47	248	49	7.09
8955	γ 14	3.56	8299	68	4.56 p	11646	30	5.72	274	51	5.88
8999	16	5.32	8303	τ 69	4.84 h	11666	32	5.01	275	52	5.55
9053	17	5.50	8340	70	4.17 p	11690	33	6.48	360	55	5.54
9144	η 20	4.75	8359	72	4.00 p	11716	34	6.20	439	65	5.66
9186	θ 21	4.56 p	8380	73	5.90 p	11763	37	6.00	479	66	6.02
Malus			8496	74	4.82 p	11905	ζ 42	3.74	561	72	5.85
			Orion			11924	η 44	3.24	570	ψ^1 74	5.61
4719	f					11957	ξ 46	4.42	5.88		
4963	e		2426	α^2 9	4.26 p	12094	52	6.07	574	77	6.61
Microscopium			2535	14	5.59 p	12134	β 53	Var.	7.44		
			2549	15	5.20 p	12188	57	4.97	573	σ^2 76	6.52
10935	θ^2		2584	ρ 17	4.71 p	12325	64	5.60	647	ϕ 85	4.85
			2605	β 19	0.40 h	12335	66	5.24	648	ζ 86	5.48
Monoceros			2639	τ 20	3.62 h	12432	72	5.09	6.60		
			2692	23	5.21 p	12532	78	5.14	765	95	
3116	3	4.99 h	2712	η 28	3.38 h	12701	85	5.98 p	790	η 99	4.12
3186	4	6.77 h	2735	ψ^2 30	4.90 p	Perseus			813	100	7.63
3255	5	4.26 h	2775	31	5.04 h				1122	5	6.56 p	8.64
3349	8	4.62 p	2780	32	4.50 p	1141	6	5.45	854	103	6.94
3402	11	3.95 h	2783	33	5.81 p	1175	χ 7	6.10	882	107	5.45
3469	14	6.66 p	2796	δ 34	2.59 h	1217	9	5.40	1061	α 113	4.12 p
3542	15	....	2817	38	5.66 p	1393	θ 13	4.36	Piscis Australis		
3931	24	6.58 p	2821	λ 39	3.70 p	1440	η 15	3.92			
4456	29	4.38 h	2837	θ^1 41	4.87 h	1468	τ 18	4.16	11398	11	7.46 h
4606	30	3.98 h	2841	42	4.55 h	1471	20	5.71	11410	η 12	5.44
4746	31	4.59 h	2839	θ^2 43	5.31 h	1544	γ 23	3.18	12052	δ 23	4.40
			2843	ι 44	2.77 h	1565	β 26	Var.	12071	α 24	1.28 h
			2849	45	5.33 h	1709	34	4.92 p	Pyxis		
									4862	δ	4.85 h

X. INDEX TO BRIGHT STARS ETC.—*Continued*

Sagitta			Serpens—Cont.			Taurus—Cont.			Virgo—Cont.		
9277	2	6.20 p	7360	ϵ 21	4.82	2751	118	5.72 p	6342	46	6.12 h
9277	3	7.10	7372	α 24	2.88	2896	126	5.12	6367	48	6.55 h
9458	ϵ 4	5.67	7386	β 28	3.84	2969	133	5.58	6405	θ 51	4.38 h
9643	ζ 8	5.23	7551	49	6.88 p	3022	136	4.90 p	6414	53	5.10 h
9797	χ 13	5.54	7957	ν 53	4.30 h	Triangula			6422	54	6.23 h
9955	θ 17	6.89 p	8498	η 58	3.46 h				6447	61	4.84 h
Sagittarius			8562	59	5.31 p				6509	72	6.06 h
8413	μ 13	3.98 h	8914	θ 63	4.95 } p 5.38 }	1064	ϵ 3	5.82 p	6518	75	5.60 h
8429	16	5.94	Sextans			1137	ϵ 6	5.10	6558	81	7.11 h
8449	η	3.38	5235	8	4.93 h	1174	δ 8	5.10	6599	84	5.58 p
8480	δ 19	2.92	5239	9	6.85 p	1198	10	5.55 p	6612	85	6.15 h
8529	21	5.00	5539	35	6.34 } p 7.38 }	Ursa Major			6618	86	5.61 h
8766	28	5.64	5575	41	5.73 h	4609	\circ 1	3.47 h	6701	τ 93	4.52 p
8818	29	5.32	Taurus			4866	ϵ 9	3.42 p	6880	ϕ 105	5.01 h
8833	30	6.25	1761	7	6.13 p	4923	σ^2 13	4.87 h	Vulpecula		
8879	ν^1 32	5.00	1858	23	4.37	4930	τ 14	4.74 h	9166	1	5.07 p
8965	ζ 38	2.57	1875	η 25	3.10	4962	16	5.17 h	9194	2	5.74
8995	\circ 39	3.93	1887	27	4.00	5059	21	7.97 p	9294	4	5.27
9417	52	4.75	1859	29	5.59	5104	23	3.75 h	9350	6	4.50
9475	53	6.31	1886	30	5.33	5123	θ 25	3.50 p	9350	8	6.04
9496	54	5.50	2013	36	5.72	5212	ν 29	4.08 p	9416	9	5.20
9519	55	5.22	2084	47	5.05	5223	ϕ 30	4.74 p	9833	16	5.44 p
9861	64	6.46 h	2130	ϕ 52	5.06	5652	α 50	2.12 h			
10139	κ^2	....	2134	55	7.17	5660	51	6.11 p			
Scorpio			2147	χ 59	5.53	5734	ξ 53	3.87 p			
7418	A 2	4.60 h	2162	62	6.55	5735	ν 54	3.66 p			
7431	ρ 5	4.04	2172	66	5.42	5793	57	5.50 p			
7444	π 6	2.96	2177	κ^1 65	4.60	5962	65	6.78 p			
7487	ξ	4.18	2183	δ 68	4.16	6348	78	5.13 p			
7493	β 8	2.68	2196	71	4.81	6482	ζ 79	2.40 p			
7502	11	5.64	2212	θ^1 77	3.88	Ursa Minor					
7532	12	5.72	2212	θ^2 78	3.78	713	α 1	2.12 h			
7533	ν 14	3.91	2230	80	5.96	6919	5	4.37			
7581	σ 20	3.03	2266	α 87	1.18	7241	12	7.19			
7631	α 21	1.34 h	2267	88	4.42	7362	π^1	6.47			
Sculptor			2293	σ^1 91	5.30	7416	π^2	6.93			
928	ϵ	5.42 h	2293	σ^2 92	4.94	7846	ϵ 22	4.40			
12571	δ	4.62 h	2313	τ 94	4.50	9648	λ	6.51 h			
Serpens			2368	96	6.28	Virgo					
7068	1	5.68 p	2433	99	6.00	5919	4	5.64 p			
7096	2	5.71	2531	103	5.74	6147	17	6.66 p			
7213	5	5.17	2528	105	6.16	6242	27	6.54 p			
7222	6	5.69	2703	111	5.24	6243	γ 29	2.94 h			
7318	δ 13	4.08 p	2734	114	5.05	6245	31	5.80 p			
			2729	115	5.74 p	6308	δ 43	3.64 p			
						6337	44	5.75 h			

PRECESSION TABLES

PRECESSION TABLES

PRECESSION TABLES

PRECESSION TABLES

PRECESSION IN DECLINATION FOR 1880

Minutes	0 ^h + 12 —	1 ^h + 13 —	2 ^h + 14 —	3 ^h + 15 —	4 ^h + 16 —	5 ^h + 17 —	Minutes
0 ^m	20.06	19.37	17.37	14.18	10.03	5.19	60 ^m
2	20.06	19.32	17.28	14.06	9.87	5.02	58
4	20.05	19.28	17.19	13.93	9.72	4.85	56
6	20.05	19.23	17.10	13.81	9.57	4.68	54
8	20.04	19.18	17.01	13.68	9.41	4.51	52
10	20.03	19.13	16.91	13.55	9.26	4.34	50
12	20.02	19.07	16.82	13.42	9.10	4.17	48
14	20.02	19.02	16.72	13.29	8.95	4.00	46
16	20.00	18.96	16.63	13.16	8.79	3.83	44
18	19.99	18.90	16.53	13.02	8.63	3.65	42
20	19.98	18.85	16.43	12.89	8.47	3.48	40
22	19.96	18.78	16.33	12.76	8.32	3.31	38
24	19.94	18.72	16.23	12.62	8.16	3.14	36
26	19.93	18.66	16.12	12.48	8.00	2.96	34
28	19.91	18.60	16.01	12.35	7.84	2.79	32
30	19.88	18.53	15.91	12.21	7.67	2.62	30
32	19.86	18.46	15.80	12.07	7.51	2.44	28
34	19.83	18.39	15.69	11.93	7.35	2.27	26
36	19.81	18.32	15.58	11.79	7.19	2.10	24
38	19.78	18.25	15.47	11.65	7.02	1.92	22
40	19.75	18.18	15.36	11.50	6.86	1.75	20
42	19.72	18.10	15.25	11.36	6.69	1.57	18
44	19.68	18.03	15.14	11.22	6.53	1.40	16
46	19.65	17.94	15.02	11.07	6.36	1.22	14
48	19.62	17.87	14.90	10.92	6.20	1.05	12
50	19.58	17.78	14.87	10.77	6.03	0.88	10
52	19.54	17.71	14.67	10.63	5.86	0.70	8
54	19.50	17.62	14.55	10.48	5.70	0.52	6
56	19.46	17.54	14.42	10.33	5.53	0.35	4
58	19.41	17.45	14.30	10.18	5.36	0.18	2
60	19.37	17.37	14.18	10.03	5.19	0.00	0
Minutes	11 ^h — 23 +	10 ^h — 22 +	9 ^h — 21 +	8 ^h — 20 +	7 ^h — 19 +	6 ^h — 18 +	Minutes

0.°

PRECESSION IN R. A. FOR 1880

0.°

R. A. for +Decl.		0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	R. A. for -Decl.	
h. m.	h. m.												h. m.	h. m.
0 0	12 0	3.072	3.072	3.072	3.072	3.072	3.072	3.072	3.072	3.072	3.072	3.072	12 0	24 0
10	11 50	.072	.073	.074	.075	.076	.077	.078	.080	.081	.082	.083	10	23 50
20	40	.072	.074	.076	.078	.080	.082	.084	.087	.089	.091	.093	20	40
30	30	.072	.075	.078	.081	.084	.087	.090	.094	.097	.100	.103	30	30
40	20	.072	.076	.080	.084	.088	.092	.096	.101	.105	.109	.113	40	20
50	10	.072	.077	.082	.087	.092	.097	.102	.108	.113	.118	.123	50	10
1 0	11 0	3.072	3.078	3.084	3.090	3.096	3.102	3.108	3.115	3.121	3.127	3.133	13 0	23 0
10	10 50	.072	.079	.086	.093	.100	.107	.114	.122	.129	.136	.143	10	22 50
20	40	.072	.080	.088	.096	.104	.112	.120	.128	.136	.144	.152	20	40
30	30	.072	.081	.090	.099	.108	.117	.126	.135	.144	.153	.162	30	30
40	20	.072	.082	.092	.102	.111	.121	.131	.141	.151	.161	.171	40	20
50	10	.072	.083	.094	.105	.115	.126	.137	.148	.159	.170	.181	50	10
2 0	10 0	3.072	3.084	3.095	3.107	3.118	3.130	3.142	3.154	3.166	3.178	3.190	14 0	23 0
10	9 50	.072	.085	.097	.110	.122	.135	.147	.160	.173	.186	.199	10	22 50
20	40	.072	.086	.099	.112	.125	.139	.152	.166	.180	.193	.207	20	40
30	30	.072	.087	.101	.115	.129	.143	.157	.172	.187	.201	.215	30	30
40	20	.072	.087	.102	.117	.132	.147	.162	.178	.193	.208	.223	40	20
50	10	.072	.088	.104	.120	.135	.151	.167	.183	.199	.215	.231	50	10
3 0	9 0	3.072	3.089	3.105	3.122	3.138	3.155	3.171	3.188	3.205	3.222	3.238	15 0	21 0
10	8 50	.072	.090	.107	.124	.141	.159	.176	.193	.211	.228	.245	10	20 50
20	40	.072	.090	.108	.126	.144	.162	.180	.198	.216	.234	.252	20	40
30	30	.072	.091	.109	.128	.147	.165	.184	.202	.221	.240	.259	30	30
40	20	.072	.091	.110	.130	.149	.168	.187	.206	.226	.245	.265	40	20
50	10	.072	.092	.111	.132	.151	.171	.190	.210	.230	.250	.271	50	10
4 0	8 0	3.072	3.092	3.112	3.133	3.153	3.173	3.193	3.214	3.234	3.255	3.276	16 0	20 0
10	7 50	.072	.093	.113	.135	.155	.176	.196	.217	.238	.260	.281	10	19 50
20	40	.072	.093	.114	.136	.157	.178	.199	.220	.242	.264	.285	20	40
30	30	.072	.094	.115	.137	.159	.180	.202	.223	.245	.268	.289	30	30
40	20	.072	.094	.116	.138	.160	.182	.204	.226	.248	.271	.293	40	20
50	10	.072	.095	.117	.139	.161	.184	.206	.229	.251	.274	.296	50	10
5 0	7 0	3.072	3.095	3.117	3.140	3.162	3.185	3.207	3.231	3.253	3.277	3.299	17 0	19 0
10	6 50	.072	.095	.118	.141	.163	.186	.209	.233	.255	.279	.302	10	18 50
20	40	.072	.095	.118	.141	.164	.187	.210	.234	.257	.281	.304	20	40
30	30	.072	.095	.118	.142	.165	.188	.211	.235	.258	.282	.306	30	30
40	20	.072	.095	.118	.142	.165	.188	.211	.236	.259	.283	.307	40	20
50	10	.072	.095	.118	.142	.165	.189	.212	.236	.260	.284	.308	50	10
6 0	6 0	3.072	3.095	3.118	3.142	3.165	3.189	3.212	3.236	3.260	3.284	3.308	18 0	18 0

0.°

PRECESSION IN R. A. FOR 1880

0.°

R. A. for + Decl.		0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	R. A. for - Decl.	
h. m.	h. m.												h. m.	h. m.
12 0	24 0	3.072	3.072	3.072	3.072	3.072	3.072	3.072	3.072	3.072	3.072	3.072	0 0	12 0
10	23 50	.072	.071	.070	.069	.068	.067	.065	.064	.063	.062	.061	10	11 50
20	40	.072	.070	.068	.066	.064	.062	.059	.057	.055	.053	.051	20	40
30	30	.072	.069	.066	.063	.060	.057	.053	.050	.047	.044	.041	30	30
40	20	.072	.068	.064	.060	.056	.052	.047	.043	.039	.035	.031	40	20
50	10	.072	.067	.062	.057	.052	.047	.041	.036	.031	.026	.021	50	10
13 0	23 0	3.072	3.066	3.060	3.054	3.048	3.042	3.035	3.029	3.023	3.017	3.011	1 0	11 0
10	22 50	.072	.065	.058	.051	.044	.037	.029	.022	.015	.008	3.001	10	10 50
20	40	.072	.064	.056	.048	.040	.032	.024	.016	.008	3.000	2.991	20	40
30	30	.072	.063	.054	.045	.036	.027	.018	.009	3.000	2.991	.981	30	30
40	20	.072	.062	.052	.042	.033	.023	.013	3.003	2.993	.982	.972	40	20
50	10	.072	.061	.050	.039	.029	.018	.007	2.996	.986	.974	.963	50	10
14 0	22 0	3.072	3.060	3.048	3.037	3.026	3.014	3.002	2.990	2.978	2.966	2.954	2 0	10 0
10	21 50	.072	.059	.046	.034	.022	.009	2.996	.983	.971	.958	.945	10	9 50
20	40	.072	.058	.045	.032	.019	.005	.991	.977	.964	.950	.936	20	40
30	30	.072	.057	.043	.029	.015	3.001	.986	.971	.957	.943	.928	30	30
40	20	.072	.057	.042	.027	.012	2.997	.981	.966	.951	.936	.920	40	20
50	10	.072	.056	.040	.024	.009	.993	.976	.960	.945	.929	.912	50	10
15 0	21 0	3.072	3.055	3.039	3.022	3.006	2.989	2.972	2.955	2.939	2.922	2.905	3 0	9 0
10	20 50	.072	.054	.037	.020	.003	.985	.968	.950	.933	.916	.898	10	8 50
20	40	.072	.054	.036	.018	3.000	.982	.964	.946	.928	.910	.891	20	40
30	30	.072	.053	.034	.016	2.997	.979	.960	.941	.923	.904	.885	30	30
40	20	.072	.053	.033	.014	.995	.976	.956	.937	.918	.899	.879	40	20
50	10	.072	.052	.032	.012	.993	.973	.953	.933	.913	.894	.873	50	10
16 0	20 0	3.072	3.052	3.031	3.011	2.991	2.971	2.950	2.930	2.909	2.889	2.868	4 0	8 0
10	19 50	.072	.051	.030	.009	.989	.968	.947	.926	.905	.884	.863	10	7 50
20	40	.072	.051	.029	.008	.987	.966	.945	.923	.901	.880	.858	20	40
30	30	.072	.050	.028	.007	.985	.964	.942	.920	.898	.876	.854	30	30
40	20	.072	.050	.028	.006	.984	.962	.940	.918	.895	.873	.850	40	20
50	10	.072	.050	.027	.005	.983	.960	.938	.915	.892	.870	.846	50	10
17 0	19 0	3.072	3.050	3.027	3.004	2.982	2.959	2.936	2.913	2.890	2.867	2.843	5 0	7 0
10	18 50	.072	.049	.026	.003	.981	.958	.934	.912	.888	.865	.841	10	6 50
20	40	.072	.049	.026	.003	.980	.957	.933	.910	.886	.863	.839	20	40
30	30	.072	.049	.025	.002	.979	.956	.932	.909	.885	.862	.838	30	30
40	20	.072	.049	.025	.002	.979	.956	.932	.909	.885	.861	.837	40	20
50	10	.072	.049	.025	.002	.978	.955	.931	.908	.884	.860	.836	50	10
18 0	18 0	3.072	3.049	3.025	3.002	2.978	2.955	2.931	2.908	2.884	2.860	2.836	6 0	6 0

10.°

PRECESSION IN R. A. FOR 1880

10.°

R. A. for +Decl.		10°	11°	12°	13°	14°	15°	16°	17°	18°	19°	20°	R. A. for -Decl.	
h. m.	h. m.												h. m.	h. m.
0 0	12 0	3.072	3.072	3.072	3.072	3.072	3.072	3.072	3.072	3.072	3.072	3.072	12 0	24 0
10	11 50	.083	.084	.085	.086	.087	.088	.089	.090	.091	.092	.094	10	23 50
20	40	.093	.095	.097	.099	.101	.103	.105	.108	.110	.112	.115	20	40
30	30	.103	.106	.109	.113	.116	.119	.122	.126	.129	.132	.136	30	30
40	20	.113	.117	.121	.126	.130	.134	.138	.143	.147	.152	.157	40	20
50	10	.123	.128	.133	.139	.144	.150	.155	.161	.166	.172	.178	50	10
1 0	11 0	3.133	3.139	3.145	3.152	3.158	3.165	3.171	3.178	3.184	3.191	3.198	13 0	23 0
10	10 50	.143	.150	.157	.165	.172	.180	.187	.195	.202	.210	.218	10	22 50
20	40	.152	.161	.169	.178	.186	.195	.203	.212	.220	.229	.238	20	40
30	30	.162	.172	.181	.190	.199	.210	.219	.229	.238	.248	.258	30	30
40	20	.171	.182	.192	.202	.212	.224	.234	.245	.255	.266	.277	40	20
50	10	.181	.192	.203	.214	.225	.238	.249	.261	.272	.284	.296	50	10
2 0	10 0	3.190	3.202	3.214	3.226	3.238	3.251	3.263	3.276	3.289	3.302	3.315	14 0	22 0
10	9 50	.199	.212	.225	.238	.251	.264	.277	.291	.305	.319	.333	10	21 50
20	40	.207	.221	.235	.249	.263	.277	.291	.306	.321	.336	.351	20	40
30	30	.215	.230	.245	.260	.275	.290	.305	.321	.336	.352	.368	30	30
40	20	.223	.239	.254	.270	.286	.302	.318	.335	.351	.368	.385	40	20
50	10	.231	.248	.263	.280	.297	.314	.330	.348	.365	.383	.401	50	10
3 0	9 0	3.238	3.256	3.272	3.290	3.307	3.325	3.342	3.361	3.379	3.398	3.416	15 0	21 0
10	8 50	.245	.264	.281	.299	.317	.336	.354	.373	.392	.412	.431	10	20 50
20	40	.252	.271	.289	.308	.327	.346	.365	.385	.405	.425	.445	20	40
30	30	.259	.278	.297	.316	.336	.356	.376	.396	.417	.437	.458	30	30
40	20	.265	.285	.304	.324	.344	.365	.386	.407	.428	.449	.471	40	20
50	10	.271	.291	.311	.332	.352	.374	.395	.417	.438	.460	.483	50	10
4 0	8 0	3.276	3.297	3.318	3.339	3.360	3.382	3.404	3.426	3.448	3.471	3.494	16 0	20 0
10	7 50	.281	.302	.324	.346	.367	.390	.412	.434	.457	.481	.504	10	19 50
20	40	.285	.307	.329	.352	.374	.397	.419	.442	.465	.490	.514	20	40
30	30	.289	.312	.334	.357	.380	.403	.426	.449	.473	.498	.522	30	30
40	20	.293	.316	.339	.362	.385	.409	.432	.456	.480	.505	.530	40	20
50	10	.296	.320	.343	.366	.390	.414	.437	.462	.486	.511	.536	50	10
5 0	7 0	3.299	3.323	3.347	3.370	3.394	3.418	3.442	3.467	3.492	3.517	3.542	17 0	19 0
10	6 50	.302	.326	.350	.373	.397	.422	.446	.471	.496	.521	.546	10	18 50
20	40	.304	.328	.352	.376	.400	.425	.450	.475	.500	.525	.550	20	40
30	30	.306	.330	.354	.378	.402	.427	.452	.478	.503	.528	.553	30	30
40	20	.307	.331	.355	.380	.404	.429	.454	.480	.505	.530	.556	40	20
50	10	.308	.332	.356	.381	.405	.430	.455	.481	.506	.531	.557	50	10
6 0	6 0	3.308	3.332	3.356	3.381	3.405	3.430	3.455	3.481	3.506	3.532	3.558	18 0	18 0

10.°

PRECESSION IN R. A. FOR 1880

10.°

R. A. for +Decl.		10°	11°	12°	13°	14°	15°	16°	17°	18°	19°	20°	R. A. for —Decl.	
h. m.	h. m.												h. m.	h. m.
12 0	24 0	3.072	3.072	3.072	3.072	3.072	3.072	3.072	3.072	3.072	3.072	3.072	0 0	12 0
10	23 50	.061	.060	.059	.058	.057	.056	.055	.054	.053	.052	.051	10	11 50
20	40	.051	.049	.047	.045	.043	.041	.038	.036	.034	.032	.030	20	40
30	30	.041	.038	.034	.031	.028	.025	.021	.018	3.015	3.012	3.009	30	30
40	20	.031	.027	.022	.018	3.014	3.010	.005	3.001	2.996	2.993	2.988	40	20
50	10	.021	.016	3.009	3.004	2.999	2.994	2.988	2.983	.977	.972	.967	50	10
13 0	23 0	3.011	3.005	2.997	2.991	2.985	2.979	2.972	2.966	2.959	2.953	2.946	1 0	11 0
10	22 50	3.001	2.994	.985	.978	.971	.964	.956	.949	.941	.934	.926	10	10 50
20	40	2.991	.983	.974	.966	.957	.949	.940	.932	.923	.915	.906	20	40
30	30	.981	.972	.963	.953	.943	.934	.924	.915	.905	.896	.886	30	30
40	20	.972	.962	.952	.941	.930	.920	.909	.899	.888	.877	.867	40	20
50	10	.963	.952	.941	.929	.917	.906	.894	.883	.871	.859	.848	50	10
14 0	22 0	2.954	2.942	2.930	2.918	2.905	2.893	2.880	2.868	2.855	2.842	2.829	2 0	10 0
10	21 50	.945	.932	.919	.906	.893	.880	.865	.852	.838	.825	.811	10	9 50
20	40	.936	.923	.909	.895	.881	.867	.851	.837	.822	.808	.793	20	40
30	30	.928	.914	.899	.884	.869	.854	.838	.823	.807	.792	.776	30	30
40	20	.920	.905	.889	.874	.858	.842	.825	.809	.792	.776	.759	40	20
50	10	.912	.896	.880	.864	.847	.830	.812	.796	.778	.761	.743	50	10
15 0	21 0	2.905	2.888	2.871	2.854	2.837	2.819	2.800	2.783	2.764	2.746	2.728	3 0	9 0
10	20 50	.898	.880	.862	.845	.827	.809	.789	.771	.751	.732	.713	10	8 50
20	40	.891	.873	.854	.836	.817	.798	.778	.759	.739	.719	.699	20	40
30	30	.885	.866	.846	.827	.808	.788	.768	.748	.727	.706	.686	30	30
40	20	.879	.859	.839	.819	.799	.779	.758	.737	.715	.694	.673	40	20
50	10	.873	.853	.832	.812	.791	.770	.749	.727	.705	.683	.661	50	10
16 0	20 0	2.868	2.847	2.826	2.805	2.783	2.762	2.740	2.718	2.695	2.673	2.650	4 0	8 0
10	19 50	.863	.841	.820	.798	.776	.754	.732	.709	.685	.663	.640	10	7 50
20	40	.858	.836	.814	.792	.769	.747	.724	.702	.677	.654	.630	20	40
30	30	.854	.832	.809	.787	.763	.741	.717	.695	.670	.646	.621	30	30
40	20	.850	.828	.805	.782	.758	.735	.711	.688	.663	.639	.614	40	20
50	10	.846	.824	.801	.778	.753	.730	.706	.682	.657	.633	.607	50	10
17 0	19 0	2.843	2.821	2.797	2.774	2.749	2.726	2.701	2.677	2.652	2.628	2.602	5 0	7 0
10	18 50	.841	.818	.794	.771	.746	.722	.697	.673	.648	.623	.598	10	6 50
20	40	.839	.816	.792	.768	.743	.719	.694	.669	.644	.619	.594	20	40
30	30	.838	.814	.790	.766	.741	.717	.692	.666	.641	.617	.590	30	30
40	20	.837	.813	.789	.764	.739	.715	.690	.664	.638	.615	.588	40	20
50	10	.836	.812	.788	.763	.738	.714	.689	.663	.638	.613	.587	50	10
18 0	18 0	2.836	2.812	2.787	2.763	2.738	2.714	2.688	2.663	2.637	2.612	2.586	6 0	6 0

20.°

PRECESSION IN R. A. FOR 1880

20.°

R. A. for + Decl.		20°	21°	22°	23°	24°	25°	26°	27°	28°	29°	30°	R. A. for - Decl.	
h. m.	h. m.												h. m.	h. m.
0 0	12 0	3.072	3.072	3.072	3.072	3.072	3.072	3.072	3.072	3.072	3.072	3.072	12 0	24 0
10	11 50	.094	.095	.096	.097	.098	.100	.101	.102	.103	.105	.106	10	23 50
20	40	.115	.117	.119	.122	.124	.127	.129	.132	.134	.137	.140	20	40
30	30	.136	.139	.143	.146	.150	.154	.158	.161	.165	.169	.173	30	30
40	20	.157	.161	.166	.171	.176	.181	.186	.191	.196	.201	.206	40	20
50	10	.178	.183	.189	.195	.201	.207	.213	.220	.226	.233	.239	50	10
1 0	11 0	3.198	3.205	3.212	3.219	3.226	3.234	3.241	3.249	3.256	3.264	3.272	13 0	23 0
10	10 50	.218	.227	.235	.243	.251	.260	.268	.277	.286	.295	.304	10	22 50
20	40	.238	.248	.257	.266	.276	.286	.295	.305	.315	.326	.336	20	40
30	30	.258	.269	.279	.289	.300	.311	.322	.333	.344	.356	.368	30	30
40	20	.277	.289	.301	.312	.324	.336	.348	.360	.373	.386	.399	40	20
50	10	.296	.309	.322	.334	.347	.360	.373	.387	.401	.415	.429	50	10
2 0	10 0	3.315	3.329	3.342	3.356	3.370	3.384	3.398	3.413	3.428	3.443	3.458	14 0	22 0
10	9 50	.333	.348	.362	.377	.392	.407	.423	.438	.454	.471	.487	10	21 50
20	40	.351	.367	.382	.398	.414	.430	.446	.463	.480	.497	.515	20	40
30	30	.368	.385	.401	.418	.435	.452	.469	.487	.505	.523	.542	30	30
40	20	.385	.402	.420	.437	.455	.473	.491	.510	.529	.549	.568	40	20
50	10	.401	.419	.437	.456	.474	.493	.513	.533	.553	.573	.594	50	10
3 0	9 0	3.416	3.435	3.454	3.474	3.493	3.513	3.533	3.554	3.575	3.596	3.618	15 0	21 0
10	8 50	.431	.451	.471	.491	.511	.532	.553	.575	.596	.619	.641	10	20 50
20	40	.445	.465	.486	.507	.528	.550	.572	.594	.617	.640	.664	20	40
30	30	.458	.479	.501	.523	.545	.567	.590	.613	.636	.660	.685	30	30
40	20	.471	.493	.515	.537	.560	.583	.606	.630	.655	.679	.705	40	20
50	10	.483	.505	.528	.551	.574	.598	.622	.647	.672	.697	.723	50	10
4 0	8 0	3.494	3.517	3.540	3.564	3.588	3.612	3.637	3.662	3.688	3.714	3.741	16 0	20 0
10	7 50	.504	.528	.551	.576	.600	.625	.651	.676	.703	.730	.757	10	19 50
20	40	.514	.537	.562	.587	.612	.637	.663	.690	.717	.744	.772	20	40
30	30	.522	.546	.571	.597	.622	.648	.675	.702	.729	.757	.785	30	30
40	20	.530	.555	.580	.606	.632	.658	.685	.712	.740	.769	.798	40	20
50	10	.536	.562	.588	.614	.640	.667	.694	.722	.750	.779	.809	50	10
5 0	7 0	3.542	3.568	3.594	3.621	3.647	3.675	3.702	3.730	3.759	3.788	3.818	17 0	19 0
10	6 50	.546	.573	.600	.626	.653	.681	.709	.737	.766	.796	.826	10	18 50
20	40	.550	.578	.604	.631	.658	.686	.715	.743	.772	.802	.832	20	40
30	30	.553	.581	.608	.635	.662	.690	.719	.748	.777	.807	.838	30	30
40	20	.556	.584	.610	.638	.665	.693	.722	.751	.780	.811	.841	40	20
50	10	.557	.585	.612	.639	.667	.695	.724	.753	.783	.813	.843	50	10
6 0	6 0	3.558	3.586	3.613	3.640	3.668	3.696	3.724	3.754	3.783	3.813	3.844	18 0	18 0

20.°

PRECESSION IN R. A. FOR 1880

20.°

R. A. for + Decl.		20°	21°	22°	23°	24°	25°	26°	27°	28°	29°	30°	R. A. for — Decl.	
h. m.	h. m.												h. m.	h. m.
12 0	24 0	3.072	3.072	3.072	3.072	3.072	3.072	3.072	3.072	3.072	3.072	3.072	0 0	12 0
10	23 50	.051	.050	.049	.048	.046	.045	.044	.043	.041	.040	.039	10	11 50
20	40	.030	.028	.025	3.023	3.020	3.018	3.015	3.013	3.010	3.008	3.005	20	40
30	30	3.009	3.005	3.002	2.998	2.995	2.991	2.987	2.983	2.980	2.976	2.972	30	30
40	20	2.988	2.983	2.979	.974	.969	.964	.959	.954	.949	.944	.938	40	20
50	10	.967	.961	.955	.950	.944	.937	.931	.925	.918	.912	.905	50	10
13 0	23 0	2.946	2.940	2.933	2.925	2.918	2.911	2.904	2.896	2.888	2.881	2.872	1 0	11 0
10	22 50	.926	.918	.910	.902	.893	.885	.876	.868	.859	.849	.840	10	10 50
20	40	.906	.897	.888	.878	.869	.859	.849	.839	.829	.819	.808	20	40
30	30	.886	.876	.866	.855	.845	.834	.823	.812	.800	.789	.777	30	30
40	20	.867	.855	.844	.833	.821	.809	.797	.784	.772	.759	.746	40	20
50	10	.848	.835	.823	.810	.797	.785	.771	.758	.744	.730	.716	50	10
14 0	22 0	2.829	2.816	2.802	2.789	2.775	2.761	2.746	2.732	2.717	2.702	2.686	2 0	10 0
10	21 50	.811	.797	.782	.767	.753	.737	.722	.706	.690	.674	.658	10	9 50
20	40	.793	.778	.763	.747	.731	.715	.698	.682	.665	.647	.630	20	40
30	30	.776	.760	.744	.727	.710	.693	.675	.658	.640	.621	.603	30	30
40	20	.759	.743	.725	.708	.690	.672	.653	.634	.615	.596	.576	40	20
50	10	.743	.726	.707	.689	.670	.651	.632	.612	.592	.572	.551	50	10
15 0	21 0	2.728	2.709	2.690	2.671	2.651	2.631	2.611	2.591	2.570	2.548	2.527	3 0	9 0
10	20 50	.713	.694	.674	.654	.634	.613	.592	.570	.548	.526	.503	10	8 50
20	40	.699	.679	.659	.638	.616	.595	.573	.551	.528	.505	.481	20	40
30	30	.686	.665	.644	.622	.600	.578	.555	.532	.508	.484	.460	30	30
40	20	.673	.652	.630	.607	.585	.562	.538	.514	.490	.465	.440	40	20
50	10	.661	.640	.617	.594	.570	.547	.522	.498	.473	.447	.421	50	10
16 0	20 0	2.650	2.628	2.605	2.581	2.557	2.532	2.508	2.482	2.457	2.431	2.404	4 0	8 0
10	19 50	.640	.617	.593	.569	.544	.519	.494	.468	.442	.415	.388	10	7 50
20	40	.630	.607	.583	.558	.533	.507	.481	.455	.428	.401	.372	20	40
30	30	.621	.598	.573	.548	.522	.496	.470	.443	.416	.388	.359	30	30
40	20	.614	.590	.565	.539	.513	.487	.460	.432	.404	.376	.347	40	20
50	10	.607	.583	.557	.531	.505	.478	.451	.423	.394	.366	.336	50	10
17 0	19 0	2.602	2.577	2.551	2.524	2.497	2.470	2.443	2.414	2.386	2.357	2.327	5 0	7 0
10	18 50	.598	.571	.545	.518	.491	.464	.436	.407	.378	.349	.319	10	6 50
20	40	.594	.567	.540	.513	.486	.458	.430	.401	.372	.343	.312	20	40
30	30	.590	.564	.537	.510	.482	.454	.426	.397	.368	.338	.307	30	30
40	20	.588	.561	.534	.507	.479	.451	.423	.394	.364	.334	.303	40	20
50	10	.587	.560	.533	.505	.478	.450	.421	.392	.362	.332	.301	50	10
18 0	18 0	2.586	2.559	2.532	2.505	2.477	2.449	2.420	2.391	2.361	2.331	2.300	6 0	6 0

30.°

PRECESSION IN R. A. FOR 1880

30.°

R. A. for + Decl.		30°	31°	32°	33°	34°	35°	36°	37°	38°	39°	40°	R. A. for - Decl.	
h. m.	h. m.												h. m.	h. m.
0 0	12 0	3.072	3.072	3.072	3.072	3.072	3.072	3.072	3.072	3.072	3.072	3.072	12 0	24 0
10	11 50	.106	.107	.109	.110	.112	.113	.115	.116	.118	.120	.121	10	23 50
20	40	.140	.142	.145	.148	.151	.154	.157	.160	.163	.167	.170	20	40
30	30	.173	.177	.181	.186	.190	.195	.199	.204	.209	.214	.219	30	30
40	20	.206	.212	.217	.223	.229	.235	.241	.247	.254	.260	.267	40	20
50	10	.239	.246	.253	.260	.268	.275	.283	.290	.298	.307	.315	50	10
1 0	11 0	3.272	3.280	3.289	3.297	3.306	3.315	3.324	3.333	3.343	3.352	3.363	13 0	23 0
10	10 50	.304	.314	.324	.333	.343	.354	.364	.375	.386	.398	.410	10	22 50
20	40	.336	.347	.358	.369	.381	.393	.405	.417	.430	.443	.456	20	40
30	30	.368	.380	.392	.405	.417	.431	.444	.458	.472	.487	.502	30	30
40	20	.399	.412	.425	.439	.453	.468	.483	.498	.514	.530	.546	40	20
50	10	.429	.443	.458	.473	.489	.505	.521	.538	.555	.572	.590	50	10
2 0	10 0	3.458	3.474	3.490	.506	3.523	3.540	3.558	3.576	3.595	3.614	3.633	14 0	22 0
10	9 50	.487	.504	.521	.539	.557	.575	.594	.614	.634	.654	.675	10	21 50
20	40	.515	.533	.552	.570	.590	.609	.629	.650	.671	.693	.716	20	40
30	30	.542	.561	.581	.601	.621	.642	.664	.686	.708	.731	.755	30	30
40	20	.568	.589	.609	.630	.652	.674	.697	.720	.744	.768	.793	40	20
50	10	.594	.615	.637	.659	.682	.705	.729	.753	.778	.804	.830	50	10
3 0	9 0	3.618	3.640	3.663	3.686	3.710	3.734	3.759	3.785	3.811	3.838	3.866	15 0	21 0
10	8 50	.641	.665	.688	.712	.737	.762	.788	.815	.842	.870	.899	10	20 50
20	40	.664	.688	.712	.737	.763	.789	.816	.844	.872	.902	.932	20	40
30	30	.685	.710	.735	.761	.788	.815	.843	.872	.901	.931	.962	30	30
40	20	.705	.730	.757	.784	.811	.839	.868	.898	.928	.959	3.991	40	20
50	10	.723	.750	.777	.805	.833	.862	.892	.922	.953	3.985	4.018	50	10
4 0	8 0	3.741	3.768	3.796	3.824	2.853	3.883	3.914	3.945	3.977	4.010	4.044	16 0	20 0
10	7 50	.757	.785	.813	.842	.872	.903	.934	.966	3.999	.033	.067	10	19 50
20	40	.772	.800	.829	.859	.890	.921	.953	3.985	4.019	.053	.089	20	40
30	30	.785	.814	.844	.875	.905	.937	.970	4.003	.037	.073	.109	30	30
40	20	.798	.827	.857	.888	.920	.952	.985	.019	.054	.090	.126	40	20
50	10	.809	.838	.869	.900	.932	.965	3.999	.033	.068	.105	.142	50	10
5 0	7 0	3.818	3.848	3.879	3.911	3.943	3.977	4.011	4.045	4.081	4.118	4.156	17 0	19 0
10	6 50	.826	.857	.888	.920	.953	.986	.021	.056	.092	.129	.168	10	18 50
20	40	.832	.863	.895	.927	.960	3.994	.029	.065	.101	.139	.177	20	40
30	30	.838	.869	.901	.933	.966	4.000	.035	.071	.108	.146	.185	30	30
40	20	.841	.873	.905	.937	.971	.005	.040	.076	.113	.151	.190	40	20
50	10	.843	.875	.907	.940	.973	.007	.043	.079	.116	.154	.193	50	10
6 0	6 0	3.844	3.876	3.908	3.941	3.974	4.008	4.044	4.080	4.117	4.155	4.194	18 0	18 0

80.°

PRECESSION IN R. A. FOR 1880

80.°

R. A. for + Decl.		30°	31°	32°	33°	34°	35°	36°	37°	38°	39°	40°	R. A. for — Decl.	
h. m.	h. m.												h. m.	h. m.
12 0	24 0	3.072	3.072	3.072	3.072	3.072	3.072	3.072	3.072	3.072	3.072	3.072	0 0	12 0
10	23 50	.039	.037	.036	3.034	3.033	3.032	3.030	3.028	3.027	3.025	3.023	10	11 50
20	40	3.005	3.002	3.000	2.997	2.994	2.991	2.988	2.985	2.981	2.978	2.975	20	40
30	30	2.972	2.968	2.963	.959	.955	.950	.946	.941	.936	.931	.926	30	30
40	20	.938	.933	.927	.922	.916	.910	.904	.897	.891	.884	.878	40	20
50	10	.905	.898	.892	.884	.877	.870	.862	.854	.846	.838	.830	50	10
13 0	23 0	2.872	2.864	2.856	2.848	2.839	2.830	2.821	2.812	2.802	2.792	2.782	1 0	11 0
10	22 50	.840	.831	.821	.811	.801	.791	.780	.769	.758	.747	.735	10	10 50
20	40	.808	.798	.787	.775	.764	.752	.740	.728	.715	.702	.689	20	40
30	30	.777	.765	.753	.740	.727	.714	.701	.687	.673	.658	.643	30	30
40	20	.746	.733	.719	.705	.691	.677	.662	.647	.631	.615	.598	40	20
50	10	.716	.701	.687	.671	.656	.640	.624	.607	.590	.573	.554	50	10
14 0	22 0	2.686	2.671	2.655	2.638	2.621	2.604	2.587	2.569	2.550	2.531	2.511	2 0	10 0
10	21 50	.658	.641	.623	.606	.588	.569	.550	.531	.511	.491	.470	10	9 50
20	40	.630	.612	.593	.574	.555	.535	.515	.495	.473	.451	.429	20	40
30	30	.603	.583	.564	.544	.523	.503	.481	.459	.436	.413	.389	30	30
40	20	.576	.556	.535	.514	.493	.471	.448	.425	.401	.377	.351	40	20
50	10	.551	.530	.508	.486	.463	.440	.416	.392	.367	.341	.314	50	10
15 0	21 0	2.527	2.504	2.482	2.458	2.435	2.410	2.386	2.360	2.334	2.307	2.279	3 0	9 0
10	20 50	.503	.480	.456	.432	.408	.382	.356	.330	.302	.274	.245	10	8 50
20	40	.481	.457	.432	.407	.382	.355	.328	.301	.272	.243	.213	20	40
30	30	.460	.435	.410	.384	.357	.329	.302	.273	.244	.214	.182	30	30
40	20	.440	.414	.388	.361	.334	.305	.277	.247	.217	.186	.153	40	20
50	10	.421	.395	.368	.340	.312	.283	.253	.223	.191	.159	.126	50	10
16 0	20 0	2.404	2.377	2.349	2.320	2.291	2.262	2.231	2.200	2.168	2.135	2.101	4 0	8 0
10	19 50	.388	.360	.331	.302	.272	.242	.211	.179	.146	.112	.077	10	7 50
20	40	.372	.344	.315	.285	.255	.224	.192	.159	.126	.091	.056	20	40
30	30	.359	.330	.301	.270	.239	.208	.175	.142	.107	.072	.036	30	30
40	20	.347	.318	.287	.256	.225	.193	.160	.126	.091	.055	.018	40	20
50	10	.336	.306	.276	.244	.212	.180	.146	.112	.076	.040	.002	50	10
17 0	19 0	2.327	2.296	2.265	2.234	2.201	2.168	2.134	2.099	2.063	2.027	1.989	5 0	7 0
10	18 50	.319	.288	.257	.225	.192	.158	.124	.089	.053	.015	.977	10	6 50
20	40	.312	.281	.250	.217	.184	.150	.116	.080	.044	.006	.968	20	40
30	30	.307	.276	.244	.212	.178	.144	.109	.073	.037	.999	.960	30	30
40	20	.303	.272	.240	.208	.174	.140	.105	.069	.032	.994	.955	40	20
50	10	.301	.270	.238	.205	.171	.137	.102	.066	.029	.991	.952	50	10
18 0	18 0	2.300	2.269	2.237	2.204	2.171	2.136	2.101	2.065	2.028	1.990	1.951	6 0	6 0

40.°

PRECESSION IN R. A. FOR 1880

40.°

R. A. for + Decl.		40°	41°	42°	43°	44°	45°	46°	47°	48°	49°	50°	R. A. for - Decl.	
h. m.	h. m.												h. m.	h. m.
0 0	12 0	3.072	3.072	3.072	3.072	3.072	3.072	3.072	3.072	3.072	3.072	3.072	12 0	24 0
10	11 50	.121	.123	.125	.127	.129	.131	.133	.135	.137	.139	.142	10	23 50
20	40	.170	.174	.177	.181	.185	.189	.193	.197	.202	.206	.211	20	40
30	30	.219	.224	.230	.235	.241	.247	.253	.259	.266	.273	.280	30	30
40	20	.267	.274	.281	.289	.297	.305	.313	.321	.330	.339	.349	40	20
50	10	.315	.324	.333	.342	.352	.362	.372	.383	.394	.405	.417	50	10
1 0	11 0	3.363	3.373	3.384	3.395	3.407	3.418	3.431	3.443	3.457	3.470	3.485	13 0	23 0
10	10 50	.410	.422	.434	.447	.461	.474	.489	.503	.519	.535	.551	10	22 50
20	40	.456	.470	.484	.499	.514	.530	.546	.563	.580	.598	.617	20	40
30	30	.502	.517	.533	.549	.566	.584	.602	.621	.641	.661	.682	30	30
40	20	.546	.564	.581	.599	.618	.637	.657	.678	.700	.722	.746	40	20
50	10	.590	.609	.628	.648	.669	.690	.712	.734	.758	.783	.808	50	10
2 0	10 0	3.633	3.653	3.674	3.696	3.718	3.741	3.765	3.789	3.815	3.841	3.869	14 0	22 0
10	9 50	.675	.697	.719	.742	.766	.791	.816	.843	.870	.899	.928	10	21 50
20	40	.716	.739	.763	.787	.813	.839	.866	.895	.924	3.954	3.986	20	40
30	30	.755	.780	.805	.831	.858	.886	.915	.945	3.976	4.009	4.042	30	30
40	20	.793	.819	.846	.874	.902	.932	3.962	3.994	4.027	.061	.096	40	20
50	10	.830	.857	.885	.914	.944	3.976	4.008	4.041	.076	.111	.149	50	10
3 0	9 0	3.866	3.894	3.924	3.954	3.985	4.018	4.051	4.086	4.122	4.160	4.199	15 0	21 0
10	8 50	.899	.929	.960	3.992	4.024	.058	.093	.129	.167	.206	.247	10	20 50
20	40	.932	.963	3.994	4.027	.061	.096	.133	.171	.210	.250	.293	20	40
30	30	.962	3.994	4.027	.061	.097	.133	.171	.210	.250	.292	.336	30	30
40	20	3.991	4.024	.058	.094	.130	.167	.206	.247	.289	.332	.378	40	20
50	10	4.018	.053	.088	.124	.161	.200	.240	.281	.325	.369	.416	50	10
4 0	8 0	4.044	4.079	4.115	4.152	4.190	4.230	4.271	4.314	4.358	4.404	4.452	16 0	20 0
10	7 50	.067	.103	.140	.178	.217	.258	.300	.344	.389	.437	.486	10	19 50
20	40	.089	.126	.163	.202	.242	.284	.327	.372	.418	.466	.516	20	40
30	30	.109	.146	.184	.224	.265	.307	.351	.397	.444	.493	.544	30	30
40	20	.126	.164	.203	.244	.286	.329	.373	.419	.468	.518	.570	40	20
50	10	.142	.181	.220	.261	.304	.347	.393	.440	.489	.539	.592	50	10
5 0	7 0	4.156	4.195	4.235	4.277	4.319	4.364	4.410	4.457	4.507	4.558	4.611	17 0	19 0
10	6 50	.168	.207	.248	.290	.333	.378	.424	.472	.522	.574	.628	10	18 50
20	40	.177	.217	.258	.301	.344	.389	.436	.484	.535	.587	.641	20	40
30	30	.185	.225	.266	.308	.352	.398	.445	.494	.544	.597	.652	30	30
40	20	.190	.230	.272	.314	.359	.404	.452	.501	.552	.604	.660	40	20
50	10	.193	.233	.275	.318	.362	.408	.455	.505	.556	.609	.664	50	10
6 0	6 0	4.194	4.234	4.276	4.319	4.363	4.409	4.457	4.506	4.557	4.610	4.666	18 0	18 0

40.°

PRECESSION IN R. A. FOR 1880

40.°

R. A. for + Decl.		40°	41°	42°	43°	44°	45°	46°	47°	48°	49°	50°	R. A. for - Decl.	
h. m.	h. m.												h. m.	h. m.
12 0	24 0	3.072	3.072	3.072	3.072	3.072	3.072	3.072	3.072	3.072	3.072	3.072	0 0	12 0
10	23 50	3.023	3.022	3.020	3.018	3.016	3.014	3.012	3.010	3.008	3.005	3.003	10	11 50
20	40	2.975	2.971	2.967	2.964	2.960	2.956	2.952	2.947	2.943	2.938	2.933	20	40
30	30	.926	.921	.915	.910	.904	.898	.892	.885	.878	.872	.864	30	30
40	20	.878	.871	.863	.856	.848	.840	.832	.823	.814	.805	.796	40	20
50	10	.830	.821	.812	.803	.793	.783	.773	.762	.751	.739	.727	50	10
13 0	23 0	2.782	2.772	2.761	2.750	2.738	2.726	2.714	2.701	2.688	2.674	2.660	1 0	11 0
10	22 50	.735	.723	.710	.697	.684	.670	.656	.641	.626	.610	.593	10	10 50
20	40	.689	.675	.661	.646	.631	.615	.599	.582	.565	.546	.527	20	40
30	30	.643	.628	.612	.595	.578	.561	.543	.524	.504	.484	.463	30	30
40	20	.598	.581	.564	.545	.527	.507	.487	.466	.445	.422	.399	40	20
50	10	.554	.536	.516	.497	.476	.455	.433	.410	.387	.362	.337	50	10
14 0	22 0	2.511	2.491	2.470	2.449	2.427	2.404	2.380	2.356	2.330	2.303	2.276	2 0	10 0
10	21 50	.470	.448	.426	.403	.379	.354	.329	.302	.274	.246	.216	10	9 50
20	40	.429	.406	.382	.357	.332	.305	.278	.250	.221	.190	.158	20	40
30	30	.389	.365	.340	.313	.286	.258	.230	.200	.168	.136	.102	30	30
40	20	.351	.325	.299	.271	.242	.213	.182	.151	.118	.084	.048	40	20
50	10	.314	.287	.259	.230	.200	.169	.137	.104	.069	.033	.000	50	10
15 0	21 0	2.279	2.251	2.221	2.191	2.159	2.127	2.093	2.059	2.022	1.985	1.946	3 0	9 0
10	20 50	.245	.215	.185	.153	.120	.087	.052	.015	1.978	.938	.898	10	8 50
20	40	.213	.182	.150	.117	.083	.048	2.012	1.974	.935	.894	.852	20	40
30	30	.182	.150	.117	.083	.048	2.012	1.974	.935	.894	.852	.808	30	30
40	20	.153	.120	.086	.051	2.015	1.977	.938	.898	.856	.813	.767	40	20
50	10	.126	.092	.057	2.021	1.983	.945	.905	.863	.820	.775	.729	50	10
16 0	20 0	2.101	2.066	2.030	1.993	1.954	1.914	1.873	1.831	1.786	1.740	1.693	4 0	8 0
10	19 50	.077	.041	2.005	.966	.927	.886	.844	.801	.755	.708	.659	10	7 50
20	40	.056	2.019	1.981	.942	.902	.861	.818	.773	.727	.678	.628	20	40
30	30	.036	1.999	.960	.921	.880	.837	.793	.748	.701	.651	.600	30	30
40	20	.018	.980	.941	.901	.859	.816	.771	.725	.677	.627	.575	40	20
50	10	2.002	.964	.924	.883	.841	.797	.752	.705	.656	.606	.553	50	10
17 0	19 0	1.989	1.950	1.910	1.868	1.825	1.781	1.735	1.687	1.638	1.587	1.533	5 0	7 0
10	18 50	.977	.938	.897	.855	.812	.767	.721	.673	.623	.571	.517	10	6 50
20	40	.968	.928	.887	.845	.801	.756	.709	.660	.610	.558	.503	20	40
30	30	.960	.920	.879	.836	.792	.747	.700	.651	.600	.548	.493	30	30
40	20	.955	.915	.873	.830	.786	.740	.693	.644	.593	.540	.485	40	20
50	10	.952	.911	.870	.827	.783	.737	.689	.640	.589	.536	.481	50	10
18 0	18 0	1.951	1.910	1.869	1.826	1.781	1.735	1.688	1.639	1.587	1.534	1.479	6 0	6 0

50.°

PRECESSION IN R. A. FOR 1880

50.°

R. A. for + Decl.		50°	51°	52°	53°	54°	55°	56°	57°	58°	59°	60°	R. A. for - Decl.	
h. m.	h. m.												h. m.	h. m.
0 0	12 0	3.072	3.072	3.072	3.072	3.072	3.072	3.072	3.072	3.072	3.072	3.072	12 0	24 0
10	11 50	.142	.144	.147	.150	.153	.156	.159	.162	.166	.169	.173	10	23 50
20	40	.211	.216	.221	.227	.233	.239	.245	.252	.259	.266	.274	20	40
30	30	.280	.288	.296	.304	.313	.322	.331	.341	.352	.363	.375	30	30
40	20	.349	.359	.369	.380	.392	.404	.417	.430	.444	.459	.474	40	20
50	10	.417	.430	.443	.456	.471	.486	.501	.518	.535	.554	.574	50	10
1 0	11 0	3.485	3.500	3.515	3.532	3.549	3.567	3.585	3.605	3.626	3.648	3.672	13 0	23 0
10	10 50	.551	.569	.587	.606	.626	.646	.668	.691	.716	.741	.769	10	22 50
20	40	.617	.637	.658	.679	.702	.725	.750	.777	.804	.833	.864	20	40
30	30	.682	.704	.727	.751	.777	.803	.831	.860	.891	3.924	3.959	30	30
40	20	.746	.770	.796	.822	.850	.879	.910	3.942	3.977	4.013	4.051	40	20
50	10	.808	.835	.862	.892	.922	3.954	3.988	4.023	4.060	.100	.142	50	10
2 0	10 0	3.869	3.898	3.928	3.959	3.992	4.027	4.063	4.102	4.142	4.185	4.230	14 0	22 0
10	9 50	.928	3.959	3.992	4.026	4.061	.098	.137	.178	.222	.268	.317	10	21 50
20	40	3.986	4.019	4.054	.090	.128	.167	.209	.253	.300	.349	.401	20	40
30	30	4.042	.077	.114	.152	.193	.235	.279	.326	.375	.427	.482	30	30
40	20	.096	.134	.172	.213	.255	.300	.346	.396	.448	.503	.561	40	20
50	10	.149	.188	.228	.271	.316	.362	.411	.463	.518	.576	.637	50	10
3 0	9 0	4.199	4.240	4.282	4.327	4.374	4.422	4.474	4.528	4.585	4.646	4.710	15 0	21 0
10	8 50	.247	.290	.334	.380	.429	.480	.534	.590	.650	.713	.780	10	20 50
20	40	.293	.337	.383	.431	.482	.535	.591	.649	.711	.777	.846	20	40
30	30	.336	.382	.430	.480	.532	.587	.645	.706	.770	.838	.909	30	30
40	20	.378	.425	.474	.527	.580	.636	.696	.759	.825	.895	4.969	40	20
50	10	.416	.465	.516	.569	.624	.683	.744	.809	.877	.949	5.025	50	10
4 0	8 0	4.452	4.502	4.554	4.609	4.666	4.726	4.789	4.855	4.925	4.999	5.078	16 0	20 0
10	7 50	.486	.537	.590	.646	.705	.766	.830	.898	4.970	5.046	.126	10	19 50
20	40	.516	.569	.623	.680	.740	.803	.869	.938	5.011	.089	.171	20	40
30	30	.544	.598	.653	.711	.772	.836	.904	4.974	.049	.128	.212	30	30
40	20	.570	.624	.680	.740	.802	.867	.935	5.007	.083	.163	.248	40	20
50	10	.592	.647	.704	.764	.827	.893	.963	.036	.113	.194	.281	50	10
5 0	7 0	4.611	4.667	4.725	4.786	4.850	4.917	4.987	5.061	5.139	5.222	5.309	17 0	19 0
10	6 50	.628	.684	.743	.804	.869	.936	5.007	.082	.161	.245	.333	10	18 50
20	40	.641	.698	.758	.820	.885	.953	.024	.100	.179	.264	.353	20	40
30	30	.652	.709	.769	.831	.897	.965	.037	.113	.194	.278	.368	30	30
40	20	.660	.717	.777	.840	.905	.974	.047	.123	.204	.289	.379	40	20
50	10	.664	.722	.782	.845	.911	.980	.053	.129	.210	.295	.386	50	10
6 0	6 0	4.666	4.723	4.784	4.847	4.912	4.982	5.054	5.131	5.212	5.297	5.388	18 0	18 0

50.°

PRECESSION IN R. A. FOR 1880

50.°

R. A. for + Decl.		50°	51°	52°	53°	54°	55°	56°	57°	58°	59°	60°	R. A. for - Decl.	
h. m.	h. m.												h. m.	h. m.
12 0	24 0	3.072	3.072	3.072	3.072	3.072	3.072	3.072	3.072	3.072	3.072	3.072	0 0	12 0
10	23 50	3.003	3.000	2.998	2.995	2.992	2.989	2.986	2.983	2.979	2.975	2.971	10	11 50
20	40	2.933	2.928	.923	.918	.912	.906	.899	.893	.886	.878	.871	20	40
30	30	.864	.857	.849	.841	.832	.823	.814	.804	.794	.782	.770	30	30
40	20	.796	.786	.775	.764	.753	.741	.728	.715	.701	.686	.670	40	20
50	10	.727	.715	.702	.688	.674	.659	.643	.627	.609	.591	.571	50	10
13 0	23 0	2.660	2.645	2.629	2.613	2.596	2.578	2.559	2.540	2.519	2.496	2.473	1 0	11 0
10	22 50	.593	.576	.558	.539	.519	.498	.476	.453	.429	.403	.376	10	10 50
20	40	.527	.508	.487	.466	.443	.419	.394	.368	.341	.311	.280	20	40
30	30	.463	.441	.417	.393	.368	.342	.314	.285	.254	.221	.186	30	30
40	20	.399	.375	.349	.323	.295	.265	.235	.202	.168	.132	.094	40	20
50	10	.337	.310	.282	.253	.223	.191	.157	.122	.084	.045	.003	50	10
14 0	22 0	2.276	2.247	2.217	2.185	2.152	2.118	2.081	2.043	2.003	1.960	1.915	2 0	10 0
10	21 50	.216	.185	.153	.119	.084	.046	.007	1.966	1.923	.877	.828	10	9 50
20	40	.158	.125	.091	.055	.017	1.977	1.935	.892	.845	.796	.744	20	40
30	30	.102	.067	.031	1.992	1.952	.910	.866	.819	.770	.718	.663	30	30
40	20	2.048	2.011	1.972	.932	.890	.845	.798	.750	.697	.642	.584	40	20
50	10	1.996	1.957	.916	.874	.829	.782	.733	.682	.627	.569	.508	50	10
15 0	21 0	1.946	1.905	1.862	1.818	1.771	1.722	1.671	1.617	1.559	1.499	1.435	3 0	9 0
10	20 50	.898	.855	.811	.764	.716	.665	.611	.555	.495	.432	.365	10	8 50
20	40	.852	.808	.762	.713	.663	.610	.554	.495	.433	.368	.298	20	40
30	30	.808	.763	.715	.665	.612	.558	.500	.439	.375	.307	.235	30	30
40	20	.767	.720	.671	.619	.565	.508	.449	.386	.320	.250	.176	40	20
50	10	.729	.680	.629	.576	.520	.462	.401	.336	.268	.196	.119	50	10
16 0	20 0	1.693	1.643	1.590	1.536	1.479	1.419	1.356	1.289	1.219	1.145	1.067	4 0	8 0
10	19 50	.659	.608	.555	.499	.440	.379	.314	.246	.174	.099	1.018	10	7 50
20	40	.628	.576	.521	.464	.405	.342	.276	.207	.133	.056	0.974	20	40
30	30	.600	.547	.491	.433	.372	.308	.241	.170	.096	1.017	.933	30	30
40	20	.575	.521	.464	.405	.343	.278	.210	.138	.062	0.982	.896	40	20
50	10	.553	.498	.440	.380	.317	.251	.182	.109	.032	.950	.864	50	10
17 0	19 0	1.533	1.478	1.419	1.359	1.295	1.228	1.158	1.084	1.006	0.923	0.836	5 0	7 0
10	18 50	.517	.461	.402	.340	.276	.208	.137	.062	0.984	.900	.812	10	6 50
20	40	.503	.446	.387	.325	.260	.192	.120	.045	.965	.881	.792	20	40
30	30	.493	.435	.376	.313	.248	.179	.107	.031	.951	.866	.777	30	30
40	20	.485	.428	.368	.305	.239	.170	.098	.022	.941	.856	.766	40	20
50	10	.481	.423	.363	.300	.234	.165	.092	.016	.935	.850	.759	50	10
18 0	18 0	1.479	1.421	1.361	1.298	1.232	1.163	1.090	1.014	0.933	0.847	0.757	6 0	6 0

60.°

PRECESSION IN R. A. FOR 1880

60.°

R. A. for +Decl.		60°	61°	62°	63°	64°	65°	66°	67°	68°	69°	70°	R. A. for -Decl.	
h. m.	h. m.												h. m.	h. m.
0 0	12 0	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	0 0	12 0
10	11 50	.17	.17	.18	.18	.19	.20	.20	.21	.21	.22	.23	10	11 50
20	40	.27	.28	.29	.30	.31	.32	.33	.33	.36	.37	.39	20	40
30	30	.37	.38	.40	.41	.43	.44	.46	.48	.50	.52	.55	30	30
40	20	.47	.49	.51	.53	.55	.57	.59	.62	.64	.67	.71	40	20
50	10	.57	.59	.61	.64	.66	.69	.72	.75	.79	.83	.87	50	10
1 0	11 0	3.67	3.69	3.72	3.75	3.77	3.81	3.85	3.89	3.93	3.97	4.02	1 0	11 0
10	10 50	.77	.80	.83	.86	3.89	3.93	3.97	4.02	4.07	4.12	.17	10	10 50
20	40	.86	.89	3.93	3.97	4.01	4.05	4.10	.15	.20	.26	.33	20	40
30	30	3.96	3.99	4.03	4.07	.12	.17	.22	.28	.34	.40	.48	30	30
40	20	4.05	4.09	.13	.18	.23	.28	.34	.40	.47	.54	.62	40	20
50	10	.14	.18	.23	.28	.34	.39	.46	.52	.60	.68	.77	50	10
2 0	10 0	4.23	4.28	4.33	4.38	4.44	4.50	4.57	4.64	4.72	4.81	4.91	2 0	10 0
10	9 50	.32	.37	.42	.48	.54	.61	.68	.76	.85	4.94	5.04	10	9 50
20	40	.40	.45	.51	.57	.64	.71	.79	.88	4.97	5.07	.18	20	40
30	30	.48	.54	.60	.67	.74	.82	4.90	4.99	5.08	.19	.31	30	30
40	20	.56	.62	.69	.76	.83	4.91	5.00	5.09	.20	.31	.43	40	20
50	10	.64	.70	.77	.84	.92	5.01	.10	.20	.31	.42	.55	50	10
3 0	9 0	4.71	4.78	4.85	4.93	5.01	5.10	5.19	5.30	5.41	5.53	5.67	3 0	9 0
10	8 50	.78	.85	.92	5.00	.09	.18	.28	.39	.51	.64	.78	10	8 50
20	40	.84	.92	5.99	.08	.17	.27	.37	.48	.60	.74	.88	20	40
30	30	.91	5.98	5.06	.15	.25	.35	.45	.57	.69	.83	4.99	30	30
40	20	4.97	5.04	.13	.22	.32	.42	.53	.65	.78	4.92	6.08	40	20
50	10	5.02	.10	.19	.28	.38	.49	.60	.73	.86	6.01	.17	50	10
4 0	8 0	5.08	5.16	5.25	5.34	5.44	5.55	5.67	5.80	5.94	6.09	6.25	4 0	8 0
10	7 50	.12	.21	.30	.40	.50	.61	.73	.86	6.01	.16	.33	10	7 50
20	40	.17	.26	.35	.45	.55	.67	.79	.92	.07	.23	.40	20	40
30	30	.21	.30	.39	.49	.60	.72	.84	5.98	.13	.29	.46	30	30
40	20	.25	.34	.43	.54	.65	.76	.89	6.03	.18	.34	.52	40	20
50	10	.28	.37	.47	.57	.69	.80	.93	.07	.23	.39	.57	50	10
5 0	7 0	5.31	5.40	5.50	5.60	5.72	5.84	5.97	6.11	6.27	6.43	6.62	5 0	7 0
10	6 50	.33	.42	.53	.63	.75	.87	6.00	.14	.30	.47	.66	10	6 50
20	40	.35	.44	.55	.65	.77	.89	.03	.17	.33	.50	.69	20	40
30	30	.37	.46	.56	.67	.79	.91	.05	.19	.35	.52	.71	30	30
40	20	.38	.47	.57	.68	.80	.93	.06	.21	.37	.54	.73	40	20
50	10	.38	.48	.58	.69	.81	.94	.07	.22	.38	.55	.74	50	10
6 0	6 0	5.39	5.48	5.58	5.69	5.81	5.94	6.07	6.22	6.38	6.55	6.74	6 0	6 0

60.°

PRECESSION IN R. A. FOR 1880

60.°

R. A. for +Decl.		60°	61°	62°	63°	64°	65°	66°	67°	68°	69°	70°	R. A. for -Decl.	
h. m.	h. m.												h. m.	h. m.
12 0	24 0	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	0 0	12 0
10	23 50	2.97	2.96	2.96	2.96	2.95	2.94	2.94	2.93	2.93	2.92	2.91	10	11 50
20	40	.87	.86	.85	.84	.83	.82	.81	.80	.78	.77	.75	20	40
30	30	.77	.76	.74	.73	.71	.70	.68	.66	.64	.62	.59	30	30
40	20	.67	.65	.63	.61	.59	.57	.55	.52	.50	.47	.43	40	20
50	10	.57	.55	.53	.50	.48	.45	.42	.39	.35	.31	.27	50	10
13 0	23 0	2.47	2.45	2.42	2.39	2.36	2.33	2.29	2.25	2.21	2.17	2.12	1 0	11 0
10	22 50	.38	.34	.31	.28	.25	.21	.17	2.12	2.07	2.02	1.97	10	10 50
20	40	.28	.25	.21	.17	.13	2.09	2.04	1.99	1.94	1.88	.81	20	40
30	30	.18	.15	.11	2.07	2.02	1.97	1.92	.86	.81	.74	.66	30	30
40	20	.09	2.05	2.01	1.96	1.91	.86	.80	.74	.67	.60	.52	40	20
50	10	2.00	1.96	1.91	.86	.80	.75	.68	.62	.54	.46	.37	50	10
14 0	22 0	1.91	1.86	1.81	1.76	1.70	1.64	1.57	1.50	1.42	1.33	1.23	2 0	10 0
10	21 50	.83	.77	.72	.66	.60	.53	.46	.38	.29	.20	1.10	10	9 50
20	40	.74	.69	.63	.57	.50	.43	.35	.26	.17	1.07	0.96	20	40
30	30	.66	.60	.54	.47	.40	.32	.24	.15	1.06	0.95	.83	30	30
40	20	.58	.52	.45	.38	.31	.23	.14	1.05	0.94	.83	.71	40	20
50	10	.51	.44	.37	.30	.22	.13	1.04	0.94	.83	.72	.59	50	10
15 0	21 0	1.43	1.36	1.29	1.21	1.13	1.04	0.95	0.84	0.73	0.61	0.47	3 0	9 0
10	20 50	.36	.29	.22	.14	1.05	0.96	.86	.75	.63	.50	.36	10	8 50
20	40	.30	.22	.15	1.06	0.97	.87	.77	.66	.54	.40	.26	20	40
30	30	.23	.16	.08	0.99	.89	.79	.69	.57	.45	.31	.15	30	30
40	20	.18	.10	1.01	.92	.82	.72	.61	.49	.36	.22	+0.06	40	20
50	10	.12	1.04	0.95	.86	.76	.65	.54	.41	.28	.13	-0.03	50	10
16 0	20 0	1.07	0.98	0.89	0.80	0.70	0.59	0.47	0.34	0.20	+0.05	-0.11	4 0	8 0
10	19 50	1.02	.93	.84	.74	.64	.53	.41	.28	.13	-0.02	-0.19	10	7 50
20	40	0.97	.88	.79	.69	.59	.47	.35	.22	.07	-0.11	-0.26	20	40
30	30	.93	.84	.75	.65	.54	.42	.30	.16	+0.01	-0.15	-0.32	30	30
40	20	.90	.80	.71	.60	.49	.38	.25	.11	-0.04	-0.20	-0.38	40	20
50	10	.86	.77	.67	.57	.45	.34	.21	.07	-0.09	-0.25	-0.43	50	10
17 0	19 0	0.84	0.74	0.64	0.54	0.42	0.30	0.17	+0.03	-0.13	-0.29	-0.48	5 0	7 0
10	18 50	.81	.72	.61	.51	.39	.27	.14	0.00	-0.16	-0.33	-0.52	10	6 50
20	40	.79	.70	.59	.49	.37	.25	.11	-0.03	-0.19	-0.36	-0.55	20	40
30	30	.78	.68	.58	.47	.35	.23	.09	-0.05	-0.21	-0.38	-0.57	30	30
40	20	.77	.67	.57	.46	.34	.21	.08	-0.07	-0.23	-0.40	-0.59	40	20
50	10	.76	.66	.56	.45	.33	.20	.07	-0.08	-0.24	-0.41	-0.60	50	10
18 0	18 0	0.76	0.66	0.56	0.45	0.33	0.20	0.07	-0.08	-0.24	-0.41	-0.60	6 0	6 0

Burnham: General Catalogue of Double Stars

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Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
1	Hu 401	DM (22°) 4952	0 ^h 0 ^m 0 ^s	23° 6'	215° 1	0.70	9.1... 9.5	1901.82	Hu 3	(Bul. L. O. No. 21)
2	H 1000	....	0 19	1 16	220±	4±	11 ... 11	1820+	H	"A very neat double star"
3	β 1155	DM (3°) 4932	0 26	3 30	90.4	0.44	8.7... 9.3	1890.82	β 3	
4	Hu 1	SD (12°) 6613	0 37	-12 50	104.0	1.07	9.1... 10.0	1899.73	Hu 3	(A. J. 480)
5	H 3239	O. Arg. S. 23249	1 13	-26 1	336.4	20±	9 ... 11	1831+	H 1	In O. Arg. 7-8 m.
6	Ku 3	DM (19°) 2	1 19	19 49	81.3	1.00	9.9... 9.9	1901.99	Ku 2	Kustner (A. N. 3821)
7	β 1014	L 47287	1 24	31 0	335.9	1.50	7.0... 12.5	1891.70	β 3	
8	Σ 3064 rej.	DM (39°) 3	1 27	39 29	351.1	20±	7 ... 11	1828+	H 1	
9	H 3240	....	1 28	-19 5	319.8	5±	10 ... 11	1830+	H 1	
10	Σ 3063	W ¹ xxiii ^b . 1234	1 28	-5 13	232.9	1.78	8.3... 10.2	1831.50	Σ 3	
11	H 3241	....	1 32	56 43	10.1	13±	10 ... 10-11	1830+	H 1	(See p. 1055)
12	H 1935	DM (56°) 1	1 33	56 43	7.9	15±	9 ... 10	1828+	H 1	
13	See 2	Lac. 9732	1 39	-23 11	174.3	2.15	5.7... 12.3	1897.73	See 1	
14	Σ 3065 rej.	SD (15°) 3	1 51	-14 54	289.1	9.49	8.6... 8.7	1901.82	β 2	
15	OΣ (App) 256	L 47311	1 51	30 43	116.9	103.11	7.0... 7.1	1876.32	Δ 3	
16	H 1936	....	2 2	61 36	193.8	10±	10 ... 10-11	1828+	H 1	
17	H 5533	DM (-0°) 5	2 4	0 0	75±	28±	10 = 10	1823+	H 1	"A star 7 m. follows"
18	Hu 2	SD (12°) 2	2 11	-12 4	68.3	3.73	9.1... 10.3	1899.73	Hu 3	(A. J. 480)
19	Σ 13, App. II	α Andromedae	2 11	28 26	266.8	64.96	2.0... 11.2	1836.38	Σ 6	
20	Hd 1	DM (3°) 4	2 19	4 7	p	20±	9 ... 16	1868	Hd	
21	Σ 2	Cephei 316	2 36	79 3	341.5	0.81	6.3... 6.6	1830.85	Σ 5	
22	Espin 113	DM (66°) 6	2 36	66 37	122.6	6.8	8.5... 11	1902	Es 1	(Mon. Not. LXIII, 172)
23	Σ 1	W ² xxiii ^b . 1386	2 38	36 33	286.5	9.45	8.5... 10.0	1828.84	Σ 2	
24	A. G. Clark 15	β Cassiopeiae	2 43	58 29	189.2	22.63	2 ... 13.7	1889.59	β 3	
25	Hu 402	DM (22°) 5	2 49	22 59	64.1	0.37	9.0... 11.8	1901.85	Hu 3	(Bul. L. O. No. 21)
26	β 483	L 47348	2 50	40 11	44.7	2.37	7.5... 11.8	1878.66	β 1	
27	Arg. 1	O. Arg. N. 21.	2 51	58 58	144.8	23.35	8.8... 8.8	1901.82	β 2	
28	H 1001	DM (43°) 7	2 57	44 4	84.5	13±	9-10... 10-11	1828+	H 1	
29	Espin 114	DM (66°) 7	3 6	66 29	161.6	5.0	8.7... 11.2	1902	Es 3	(Mon. Not. LXIII, 3)
30	β 391	κ ¹ Sculptoris	3 14	-28 39	97.2	0.78	6.0... 6.2	1876.79	Cin 1	
31	A 430	A. G. Camb. 26	3 26	26 1	166.7	3.87	8.6... 14.3	1903.57	A 3	
32	O. Stone 1	W ¹ 0 ^b . 14	3 28	-14 51	106.4	9.65	8.0... 8.0	1878.79	Cin 2	
33	β 484	DM (51°) 9	3 29	51 22	156.3	1.95	7.7... 11.9	1878.66	β 2	
34	H 1938	....	3 35	74 28	341.0	14±	10 ... 10	1830+	H	
35	Σ 4	W ¹ 0 ^b . 19	3 38	7 47	272.2	5.53	8.7... 8.8	1829.47	Σ 3	
36	H 1939	DM (10°) 7	3 41	10 45	158.3	30±	7 ... 10	1830+	H 1	
37	Σ 3	Andromedae 51	3 49	45 43	84.1	4.91	7.5... 8.5	1831.85	Σ 3	White
38	Σ 5	34 Piscium	3 51	10 29	162.8	8.03	6.0... 10.5	1830.32	Σ 4	6.0 very white
39	H 1940	....	3 55	71 51	....	6±	10-11... 12	1830+	H 1	
40	Σ 6 rej.	DM (4°) 9	4 6	4 13	193.2	22.56	8 ... 13	1869.92	Hd 1	
41	β 253	DM (57°) 15	4 8	57 51	49.9	0.42	8.3... 8.5	1875.95	Δ 5	
42	H 1002	DM (14°) 7	4 15	14 44	30.0	15±	10 ... 13	1828+	H 1	
43	β 485	DM (57°) 22	4 29	58 6	148.5	0.41	8.7... 9.0	1878.17	β 2	
44	Hu 503	DM (49°) 20	4 30	49 17	32.1	4.24	8.5... 11.8	1902.51	Hu 3	(Bul. L. O. No. 27)
45	Kr 1	A. G. Hels. 74	4 38	57 10	189.9	1.70	9.2... 9.5	1890.76	β 1	
46	H 5450	....	4 40	35 22	....	....	....	1823+	H 1	
47	H 3351	....	4 51	-23 20	135±	8±	11 ... 11½	1835.86	H 1	
48	H 1003	O. Arg. N. 66	4 51	57 15	34.8	9±	9 ... 12	1828+	H 1	(See p. 1055)
49	H 617	DM (0°) 9	5 4	0 36	55±	6±	9 ... 14	1820+	H 1	
50	Hd 2	W ¹ 0 ^b . 57	5 6	7 17	sf	6±	7.5... 17	1868	Hd	
51	Espin 40	DM (51°) 18	5 9	51 24	72.9	3.27	8.7... 11.7	1902.03	Es 2	A and B }
					336.5	20±	9 ... 10	1828+	H 1	A and C }
52	β 254	O. Arg. N. 74	5 14	59 6	237.7	7.41	7.5... 11.5	1875.71	Δ 4	
53	Ho 1	W ² 0 ^b . 75	5 15	28 56	348.6	1.00	8.5... 8.5	1884.40	Ho 2	
54	Σ 7	DM (55°) 15	5 21	55 18	216.6	1.31	8.0... 8.5	1831.75	Σ 3	Very white
55	Σ 8	Ceti 27	0 5 25	-3 45	292.6	7.31	7.2... 8.8	1831.69	Σ 5	Yel. wh.: ash

Burnham: General Catalogue of Double Stars

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
56	OZ 1	Rad. 14	0 ^h 5 ^m 27 ^s	65° 28'	204° 4	1'.44	7.2... 9.9	1850.25	OZ 6	White: blue
57	H 1941	....	5 31	71 51	193.6	12±	10-11...11	1830+	H 1	
58	....	DM (35°) 21	5 32	35 28	234.6	4.61	9.5...12.7	1903.26	β 2	
59	Hd 3	W ² 0 ^h . 68	5 34	3 32	175±	20±	9.5...14	1868	Hd	(See p. 1055)
60	H 1943	DM (19°) 15	5 37	19 12	236.8	10±	9-10...11	1830+	H 1	"Neat"
61	β 255	L 54	5 38	27 45	99.0	0.38	7.5... 7.8	1875.76	Δ 4	
62	β 1026	L 58	5 50	52 57	329.6	0.48	8.1... 8.9	1888.76	β 4	
63	H 1942	....	6 :	82 33	339.6	18±	8-9...13	1830+	H 1	Probably Redhill 7
64	Δ 1	....	6 21	45 45	74.4	13.04	9.0... 9.3	1875.93	Δ 2	
65	H 1005	....	6 38	50 57	100.0	7±	11-12=11-12	1828+	H 1	
66	Hd 4	DM (4°) 17	6 40	4 43	s	15±	9.7...12	1868.87	Hd	
67	β 864	DM (34°) 12	6 40	34 40	138.6	1.60	8.9...12.3	1880.77	β 4	
68	Hd 5	....	7 :	4 58:	....	20±	....	1868.87	Hd	"not DM (4°) 19"
69	H 1944	SD (17°) 17	7 7	-17 51	346.4	60±	7-8... 8-9	1830+	H 1	
70	OZ 2	L 123	7 11	26 19	59.9	0.80	6.9... 8.3	1851.42	OZ 5	A and B }
					226.2	17.77	... 9.6	1851.42	OZ 5	AB and C }
71	OZ (App) 1	O. Arg. W. 108	7 22	75 22	102.4	77.07	6.4... 7.0	1875.79	Δ 3	
72	H 618	DM (-0°) 17	7 22	- 0 47	250±	2±	10 ...11	1820+	H 1	
73	Σ 9	O. Arg. W. 112	7 26	48 53	166.0	20.00	8.5... 8.5	1830.92	Σ 2	White
74	β 998	L 130	7 30	5 55	114.9	1.04	8.7... 8.7	1881.86	β 3	
75	....	DM (35°) 28	7 32	35 31	318.1	20.85	9.8...10.5	1903.68	β 1	A and B }
					227.3	177.71	... 8	1903.68	β 1	A and DM (35°) 27 }
76	β 1309	....	7 33	62 43	170.1	1.68	10.4...11.7	1903.64	β 5	A and B }
					259.0	9.41	...12.1	1903.64	β 4	A and C }
					129.9	74.01	... 9	1903.67	β 2	A and D }
77	Hu 504	DM (48°) 44	7 44	48 39	260.8	2.23	9.0...10.5	1902.56	Hu 4	(Bul. L. O. No. 27)
78	H 1945	....	7 46	-12 10	323.0	15±	10 ...11	1830±	H 1	"A 9 m stars' s"
79	Hd 6	....	8 :	-23 31:	90±	5±	10 ...10	1880.89	Hd	A and B }
					200±	10±	...12.5	1880.89	Hd	A and C }
80	Hu 1	DM (53°) 25	8 15	53 10	13.3	2.81	8.4...10.9	1881.56	β 3	
81	β 486	L 158	8 17	- 8 27	5.2	2.81	6.0...12.0	1878.54	β 4	
82	Σ 11	....	8 21	77 21	192.1	7.95	8.2...10.7	1832.38	Σ 2	8.0 yellow
83	Σ 10	O. Arg. W. 127	8 23	62 10	176.5	17.68	7.5... 8.2	1832.06	Σ 3	White
84	Hd 7	W ² 0 ^h . 113	8 34	-13 25	8.3	7.12	8 ...12	1867.87	Hd 1	
85	Kr 3	A. G. Hols. 143	8 41	55 2	44.1	3.43	9 ... 9	1890.76	β 1	
86	β 1027	W ² 0 ^h . 200	8 44	20 53	186.8	1.54	7.2...10.3	1888.82	β 3	
87	Σ 12	35 Piscium	8 47	8 9	149.9	11.53	6.2... 7.8	1832.67	Σ 7	White
88	H 1008	DM (58°) 18	8 51	59 8	125.5	15±	8 ...11	1828+	H 1	
89	Hd 8	DM (7°) 20	9 12	7 26	320.1	29.00	9.5...11.5	1868.86	Hd 1	
90	Doo 1	....	9 23	49 55	240.4	1.20	11.0...12.0	1900.72	Doo 1	Doolittle (Pub. Flower Obey, I)
91	Hu 403	SD (16°) 38	9 23	-16 17	58.0	0.52	9.0...11.2	1901.90	Hu 3	(Bul. L. O. No. 21)
92	Σ 13	Cephei 318	9 25	76 17	119.8	0.43	6.6... 7.1	1836.69	Σ 3	
93	H 1009	....	9 37	47 56	206.0	13±	10 ...10	1828+	H 1	
94	H 1946	DM (4°) 25	9 42	4 57	55.4	4±	11 = 11	1830+	H 1	
95	Σ 14	W ² 0 ^h . 134	9 42	-12 39	235.6	15.19	8.3...11.0	1830.89	Σ 3	
96	Σ 15	W ² 0 ^h . 135	9 43	- 6 16	197.9	4.70	7.5...10.0	1831.19	Σ 3	7.5 very yellow
97	H 1010	....	9 55	59 27	117.0	15±	9-10...10	1828+	H 1	
98	H 1011	....	9 59	56 43	101.1	7±	10 ...14	1828+	H 1	
99	H 1947	Rad. 44	10 3	42 58	81.3	10±	7-8...11	1830+	H 1	
100	Hu 404	SD (15°) 36	10 5	-15 15	240.1	4.27	9.0...12.8	1901.90	Hu 3	(Bul. L. O. No. 21)
101	β 487	W ² 0 ^h . 241	10 18	28 38	265.4	2.04	...12.5	1878.25	β 2	B and C } 8.0 yellow
					29.3	26.33	8.0... 9.2	1830.05	Σ 2	A and B } AB=Σ 17
102	Σ 16	DM (53°) 31	10 19	54 0	38.2	5.50	7.7... 9.0	1832.65	Σ 5	Very white
103	Hu 405	DM (23°) 28	10 23	23 54	272.7	1.13	9.3... 9.5	1901.85	Hu 3	(Bul. L. O. No. 21)
104	OZ 4	L 220	10 28	35 49	187.6	0.55	7.4... 8.1	1854.01	OZ 4	
105	Σ 19	L 221	0 10 28	35 58	133.1	2.33	7.0... 9.5	1836.97	Σ 4	7.0 white

Within 121° of the North Pole

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Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
106	β 392	B. A. C. 46	0 ^h 10 ^m 31 ^s	60° 52'	68° 6'	19'.38	6.0...12.0	1879.70	β 2	
107	Hd 9	DM (3°) 28	10 36	3 37	45±	32±	9.2...	1868.87	Hd	
108	H 2	DM (11°) 29	10 42	11 52	155±	15±	9 ... 10	1820+	H 1	
109	Ku 4	DM (20°) 18	10 48	21 7	135.1	2.45	9.5...10.1	1901.43	Ku 2	
110	Σ 18	DM (66°) 14	10 50	66 58	90.3	1.54	8.2... 8.8	1836.70	Σ 3	Yel. wh.
111	Hu 3	SD (11°) 36	10 52	-11 0	105.9	1.55	9.1... 9.2	1899.73	Hu 3	(A. J. 480)
112	β 776	DM (49°) 40	10 53	49 55	202.5	0.90	8.8... 9.0	1881.59	β 3	
113	Hd 10	....	11 :	3 4:	234.6	24.97	9 ... 10.5	1868.87	Hd 1	
114	Weisse 1	W ² 0 ^h . 264	11 10	35 10	106.4	5.35	8.0... 8.2	1879.61	Cin 1	
115	Σ 20	L 249	11 10	15 51	230.1	12.23	8.0... 9.0	1828.73	Σ 2	
116	Σ 22	38 <i>Piscium</i>	11 13	8 12	237.6	4.59	7.0... 8.0	1836.24	Σ 4	Yel'sh: wh.
117	Σ 21 rej.	DM (1°) 34	11 14	1 39	....	Cl. III	9 ... 9	....	Σ	
118	Σ 23	W ¹ 0 ^h . 164	11 20	- 0 21	359.7	12.70	7.6... 9.9	1836.74	Σ 3	7.6 yel'sh
119	Hd 11	DM (2°) 28	11 39	3 5	294±	40±	9.5...	1868.87	Hd	
120	H 3	....	11 42	12 23	80±	10±	9=9	1820+	H 1	"A third star near"
121	A. G. 1	DM (8°) 28	11 50	8 50	211.7	12.94	8.5... 9.0	1895.04	Lp	
122	H 619	....	11 56	32 0	165±	10±	10 ... 11	1820+	H 1	
123	Hd 12	....	12 :	3 5:	ϕ	5±	12 ... 14.5	1868.87	Hd	
124	Hd 13	....	12 :	3 5:	....	7±	12 ... 15	1868.87	Hd	" γ /DM (2°) 32"
125	Espin 41	DM (48°) 67	12 1	48 51	217.3	5.2	7.5... 9.1	1901	Es 1	(A. N. 3784)
126	β 393	L 291	12 12	-21 48	11.4	0.77	6.0... 8.0	1879.75	Cin 1	(See p. 1055)
127	H 1948	SD (14°) 43	12 14	-14 49	172.8	13±	10-11=10-11	1830+	H 1	
128	Σ 24	<i>Andromedae</i> 69	12 16	25 28	248.3	5.20	7.2... 8.0	1831.11	Σ 4	Yel.
129	H 1012	....	12 16	58 44	204.0	10±	10 ... 10+	1828+	H 1	
130	H 1013	....	12 22	58 43	330.0	8±	10-11... 11	1828+	H 1	
131	O Σ 5	26 <i>Andromedae</i>	12 22	43 7	241.1	6.13	6.5... 10.2	1847.21	O Σ 4	6.0 wh.
132	H 1014	....	12 24	41 49	51.4	10±	10-11... 11	1828+	H 1	
133	H 1949	O. Arg. S. 108	12 28	-28 37	324.6	90±	7 ... 7+	1830+	H 1	
134	H 1015	W ² 0 ^h . 300	12 29	25 5	344.0	4±	9-10... 10-11	1820+	H 1	"Fine"
135	Σ 25	DM (15°) 43	12 30	15 20	192.7	1.67	8.5... 8.5	1831.82	Σ 3	
136	H 1951	W ¹ 0 ^h . 189	12 41	-11 37	215.4	16±	8-9... 15	1830+	H 1	
137	Kr 4	A. G. Heli. 201	12 45	59 2	192.4	1.85	8.5... 9.0	1890.76	β 1	
138	H 1950	....	12 49	74 38	71.3	12±	10-11... 12	1830+	H 1	
139	H 620	DM (30°) 37	13 10	30 28	180±	8±	9 ... 12	1820+	H 1	
140	H 1952	....	13 16	69 13	101.3	14±	9 ... 13	1830+	H 1	
141	H 1953	<i>Ceti</i>	13 19	- 9 30	14.2	45±	4 ... 12	1830+	H 1	
142	H 1954	....	13 25	-21 36	146.6	12±	10 ... 13	1830+	H 1	
143	H 1016	....	13 39	54 44	182.2	6±	10 ... 11	1828+	H 1	
144	S 384	L 335	13 44	37 34	13.2	45.74	7 ... 12-15	1824.90	S 3	
145	H 1017	....	13 47	41 52	275.2	6±	11 ... 12	1828+	H 1	
146	β 256	SD (14°) 48	13 53	-14 30	249.1	2.31	10.0... 10.5	1876.40	β 3	
147	H 1955	W ¹ 0 ^h . 210	13 55	5 38	0±	60±	8 ...	1830+	H 1	A and BC }
					280.5	2±	13 ... 13-14	1830+	H 1	B and C }
148	H 1018	DM (66°) 19	14 16	67 0	83.9	1½±	10 ... 11	1828+	H 1	
149	H 1019	DM (59°) 37	14 17	59 23	93.2	3±	10 ... 11	1828+	H 1	
150	β 1015	L 368	14 27	11 39	120.6	0.52	8.4... 8.6	1891.64	β 2	
151	A. Clark 1	L 372	14 35	32 19	277.7	0.4±	7.5... 8.0	1857.70	Da 1	
152	O Σ 6	Rad ¹ . 71	14 44	66 20	144.0	0.77	7.2... 8.2	1849.64	O Σ 4	A and B }
					114.8	13.49	... 9.5	1849.64	O Σ 4	AB and C }
153	β 1093	L 375	14 44	10 19	54.3	0.39	7.3... 8.2	1889.65	β 3	
154	H 3359	....	14 44	-23 16	110±	18±	10 ... 10	1835.86	H 1	
155	H 1956	....	14 46	5 46	25.4	15±	10 ... 10	1830+	H 1	
156	β 777	DM (-1°) 32	14 56	- 0 55	166.7	4.09	8.5... 9.5	1881.73	β 3	
157	O Σ 7	Rad ¹ . 74	15 4	65 48	107.2	0.46	7.2... 8.0	1847.32	O Σ 2	A and B }
					256.3	52.44	... 9.8	1847.32	O Σ 2	AB and C }
158	Hd 14	DM (7°) 37	0 15 12	7 22	γ	30±	9.5...	1868.87	Hd	

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Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
159	Hu 505	DM (48°) 90	0 ^h 15 ^m 14 ^s	48° 16'	136.2	1.78	8.5...12.8	1902.71	Hu 2	(<i>Bul. L. O. No. 27</i>)
160	H 1020	W ² 0 ^h . 366	15 16	26 18	182.6	4±	8-9...12-13	1828+	H 1	
161	H 1021	....	15 34	41 33	246.7	4±	10 ...11	1828+	H 1	"Neat"
162	See 4	Cord. DM (28°) 98	15 36	-28 54	249.6	3.18	8.5...12.2	1896.76	See 2	
163	H 1957	Lac. 55	15 48	-23 40	17.9	12±	7-8...10	1830+	H 1	
164	H 3429	....	15 51	-24 40	15±	5±	7 ... 9½	1836.69	H 1	
165	Σ 27	42 <i>Piscium</i>	16 13	12 49	344.0	31.67	6.8...10.7	1829.50	Σ 3	6.8 very <i>yel.</i>
166	Espin 115	DM (61°) 50	16 18	61 34	82.4	9.9	8.0...10	1902.	Es 1	(<i>Mon. Not., LXIII, 172</i>)
167	Espin 42	DM (53°) 54	16 18	53 56	191.3	10.36	8.3...9.3	1901.09	Es 3	
168	H 1958	....	16 18	-15 12	59±	5±	11 ...12	1830+	H 1	
169	H 1959	DM (20°) 34	16 23	21 0	287.5	20±	9 ...10	1830+	H 1	8.5 m. in DM
170	Hu 406	SD (17°) 43	16 26	-17 47	277.1	1.01	9.4... 9.5	1901.90	Hu 3	(<i>Bul. L. O. No. 21</i>)
171	H 3362	....	16 45	-19 41	73.3	4±	7 ...11	1836.78	H 1	"Fine double star"
172	H 1960	DM (46°) 67	16 48	46 36	204.1	20±	9 ...13	1830+	H 1	8.3 m. in DM
173	H 1022	DM (50°) 60	16 49	51 5	15.5	3½±	10 ...11-12	1828+	H 1	
174	Hd 15	DM (7°) 43	16 54	7 36	269.0	28.46	9.5...11	1868.86	Hd 1	
175	H 3431	SD (5°) 53	17 4	- 5 14	91.8	12±	9½...12	1836.76	H 1	
176	H 1961	SD (2°) 46	17 16	- 2 1	97.3	6±	10 = 10	1830+	H 1	
177	H 1023	....	17 23	60 32	332.1	7±	11 ...11	1828+	H 1	
178	Σ 28	DM (28°) 56	17 36	28 50	223.1	32.89	7.9... 8.1	1832.43	Σ 4	<i>White</i>
179	Hd 16	DM (2°) 44	17 47	3 6	289.4	60.72	8.5...10.5	1868.87	Hd 1	
180	Hu 506	DM (51°) 62	17 48	51 21	217.1	0.19	6.0... 8.5	1902.71	Hu 3	(<i>Bul. L. O. No. 27</i>)
181	β 488	L 465	17 52	- 4 8	347.9	3.32	7.5...10.5	1878.40	β 4	(See p. 2055)
182	Ho 491	DM (35°) 64	17 58	35 49	24.4	0.96	9.5... 9.5	1896.92	Ho 1	(<i>A. N. 3557</i>)
183	Hu 4	SD (13°) 64	18 6	-13 45	54.9	0.64	9.0... 9.0	1899.87	Hu 2	(<i>A. J. 480</i>)
184	H 1024	....	18 7	61 44	211.8	3±	10 ...11	1828+	H 1	
185	H 1962	Redhill 40	18 25	81 34	309.4	12±	9 ...11	1830+	H 1	In Redhill 10 m.
186	Hd 17	W ² 0 ^h . 290	18 32	- 0 27	<i>sp</i>	10±	8 ...12	1868.	Hd	
187	H 1025	SD (8°) 57	18 33	- 8 35	143.2	18±	9-10...10	1828+	H 1	8.9 m. in SD
188	H 1965	....	18 43	77 10	284.1	1½±	11 ...14	1830	H 1	
189	H 621	....	18 50	17 44	235±	4±	11 ...12	1820+	H 1	
190	Hu 2	O. Arg. N. 323	18 51	50 54	332.1	2.44	8.8... 8.8	1881.58	β 3	
191	Σ 29	W ² 0 ^h . 445	18 59	31 50	167.8	5.00	9.0... 9.2	1830.89	Σ 3	
192	H 1963	DM (43°) 74	18 59	43 40	57.5	18±	9-10...13	1830+	H 1	"Unless P=51°5"
193	OΣ 8 <i>rej.</i>	44 <i>Piscium</i>	19 15	1 16	....	1±	6 ... 9	....	OΣ	
194	Ho 210	W ² 0 ^h . 450	19 17	35 49	70.1	0.86	8.0... 9.7	1887.33	Ho 2	
195	H 1026	....	19 30	66 7	193.0	8±	11 ...12	1828+	H 1	
196	H 1964	O. Arg. S. 177	19 32	-19 29	125.8	7±	9-10...11	1830+	H 1	
197	OΣ 9	L 522	19 40	56 7	61.4	1.52	7.0...10.2	1847.33	OΣ 3	
198	β 489	DM (43°) 80	19 40	43 31	182.5	3.32	8.0...12.0	1878.43	β 3	
199	H 622	DM (33°) 41	19 42	34 8	310±	18±	9 = 9	1820+	H 1	"Points to a third 15 m. nearly"
200	β 778	DM (51°) 72	19 43	51 10	47.9	1.05	9.5... 9.5	1881.61	β 3	
201	Hu 407	DM (23°) 54	19 50	23 19	334.6	0.92	8.2...12.2	1901.95	Hu 3	(<i>Bul. L. O. No. 21</i>)
202	β 1156	DM (63°) 48	19 58	63 46	31.9	0.52	9.2... 9.3	1890.74	β 3	
203	Hd 18	....	20 :	3 11:	<i>s</i>	50±	....	1869.93	Hd	
204	Hd 19	DM (6°) 47	20 35	7 3	<i>np</i>	20±	9.5...	1868.86	Hd	Another faint star <i>sp</i>
205	Σ 30	<i>Cassiopeiae</i> 49	20 43	49 19	295.9	21.23	6.8... 8.7	1831.21	Σ 3	<i>Wh.: ask</i>
206	<i>Schj. 1</i>	....	20 45	- 6 11	20±	27±	8.7... 9.5	....	....
207	Hu 408	SD (16°) 71	20 50	-15 56	281.7	2.02	9.0...10.8	1901.90	Hu 3	(<i>Bul. L. O. No. 21</i>)
208	β 1225	W ² 0 ^h . 496	20 55	20 26	189.3	1.15	8.1...11.8	1891.85	β 3	
209	Hd 20	....	21 :	6 30:	<i>sf</i>	8±	12 ...	1868.86	Hd	
210	Hd 21	....	21 :	6 28:	<i>np</i>	....	....	1868.86	Hd	
211	A 431	SD (8°) 65	21 2	- 8 34	353.1	0.19	8.5... 8.5	1903.75	A 3	
212	OΣ 10 <i>rej.</i>	L 581	21 16	15 22	237.0	96.34	5.8... 9.2	1866.68	β 3	5.8 <i>yel.</i>
213	Hu 507	DM (49°) 95	0 21 16	49 22	130.3	1.55	9.3... 9.5	1902.75	Hu 2	A and B
					243.6	1.47	... 9.8	1902.75	Hu 2	B and C
					183.7	1.61	....	1902.75	Hu 2	A and C

Within 121° of the North Pole

0^h

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
214	H 1966	SD (10°) 78	0 ^h 21 ^m 24 ^s	-10° 2'	300°9	15" ±	9 ... 13	1830+	H 1	
215	Σ 31	DM (40°) 93	21 30	40 45	58.1	5.80	9.2... 9.8	1830.22	Z 3	
216	H 1968	L 593	21 33	-17 4	61.3	20 ±	8 ... 10-11	1830+	H 1	
217	β 779	L 592	21 37	22 55	263.3	0.85	8.5... 9.0	1881.67	β 3	
218	H 1969	....	21 44	-22 59	45.4	10 ±	12=12	1830+	H 1	
219	H 1967	....	21 46	73 6	250 ±	4 ±	11 ... 12	1830+	H 1	
220	O. Stone 2	SD (17°) 62	21 44	-17 37	271.1	5.37	8.5... 9.5	1877.86	Cin 2	
221	H 1970	DM (-0°) 64	21 55	- 0 42	336.0	12 ±	10 ... 16	1830+	H 1	
222	H 1972	....	21 59	- 0 41	164.3	15 ±	9-10... 15	1830+	H 1	
223	H 1971	....	22 16	73 19	180 ±	4 ±	11 ... 11+	1830+	H 1	
224	H 3368	....	22 18	-17 51	251.4	15 ±	8 ... 11	1836.78	H 1	
225	Hu 601	DM (20°) 47	22 29	20 54	301.8	0.24	9.2... 10.0	1901.93	Hu 2	
226	β 1157	DM (63°) 52	22 30	63 35	90.2	1.66	8.4... 11.3	1890.74	β 3	
227	Hu 409	SD (15°) 74	22 40	-15 4	302.4	0.65	8.9... 9.5	1901.90	Hu 3	(Bul. L. O. No. 21)
228	H 623	....	22 40	2 11	335 ±	12 ±	....	1820+	H 1	"Close to a neb. of 3d class"
229	H 624	....	22 53	33 14	345 ±	8 ±	10 ... 11	1820+	H 1	H (V) 349° 8' 12" ± : 8... 11. (See p. 1055)
230	A. G. 2	DM (36°) 68	22 58	36 46	....	obl.	9.0...	....	
231	H 1974	....	23 1	-18 57	166.8	15 ±	10 ... 11	1830+	H 1	
232	H 1975	....	23 6	5 50	292.9	4 ±	12=12	1830+	H 1	
233	H 1973	O. Arg. N. 405	23 17	71 52	44.9	16 ±	8 ... 12	1830+	H 1	9 m. in O. Arg. N.
234	Hu 508	DM (48°) 146	23 19	48 35	349.8	1.92	9.0... 11.8	1902.73	Hu 3	(Bul. L. O. No. 27)
235	H 1976	....	23 27	19 38	263.5	12 ±	10 ... 11-12	1830+	H 1	
236	β 1094	L 655	23 29	59 19	244.6	0.70	5.7... 9.5	1889.53	β 3	
237	A 432	SD (7°) 64	23 31	- 7 30	284.3	0.80	8.8... 12.0	1903.75	A 3	
238	H 1977	....	23 36	-23 50	294.1	10 ±	10-11... 11	1830+	H 1	
239	β 1095	28 Andromedae	23 47	29 5	0.1	2.42	5.5... 13.3	1889.51	β 3	
240	Kr 7	A. G. Helm. 382	23 48	59 2	10.4	3.50	9.5... 9.7	1890.76	β 1	
241	H 1978	....	23 49	43 29	217.7	2½ ±	11-12... 12	1830+	H 1	
242	H 322	12 Ceti	23 55	- 4 37	170 ±	8 ±	7 ... 14	1820+	H 1	"Yellow: blue"
243	β 394	L 678	24 16	46 52	278.0	0.83	8.2... 8.4	1876.77	Δ 3	
244	H 1027	....	24 16	21 29	169.0	7 ±	9-10... 10	1828+	H 1	
245	OΣ 11 rej.	L 686	24 16	31 29	....	....	7-8... 7-8	....	OΣ	
246	Espin 2	DM (55°) 93	24 30	56 8	112.6	6.30	8.5... 9.0	1892.85	Es 2	(A. N. 3717)
247	β 107	DM (62°) 93	24 31	62 41	358.8	4.44	8.0... 9.6	1891.52	β 2	
248	Σ 32	49 Piscium	24 33	15 22	107.9	13.67	6.8... 10.6	1831.43	Z 5	6.8 white
249	Σ 33	W ^o 0 ^h . 592	24 36	33 26	205.5	2.54	8.2... 8.3	1831.86	Z 3	White
250	Espin 116	DM (54°) 87	24 36	54 59	255.9	7.7	8.9... 8.9	1902.	Es 1	(Mon. Not. LXIII, 172)
251	H 1979	....	24 41	-16 24	72.2	8 ±	10 ... 11	1830+	H 1	
252	H 1028	....	24 41	64 19	148.9	12 ±	11=11	1828+	H 1	
253	H 1029	....	24 52	44 16	269.0	10 ±	9 ... 11	1828+	H 1	
254	β 1158	L 718	24 55	-10 45	138.1	0.26	8.6... 8.6	1890.91	β 3	B and C }
					86.6	79.31	6.9...	1890.91	β 3	A and BC }
255	β 1226	DM (57°) 97	24 58	57 29	190.8	0.40	8.5... 10.5	1891.58	β 3	
256	Σ 34	O. Arg. N. 435	24 59	77 27	334.0	5.83	8.7... 8.8	1832.25	Z 3	
257	Hu 509	DM (48°) 153	25 0	48 24	56.0	2.73	9.0... 10.0	1902.73	Hu 3	(Bul. L. O. No. 27)
258	H 5451	B. A. G. 120	25 3	32 55	85 ±	60 ±	7 ... 9	1823+	H 1	Yellow: blue
259	H 5452	....	25 4	32 57	....	10 ±	....	1823+	H 1	Near the last
260	OΣ 12	λ Cassiopeiae	25 9	53 52	122.9	0.52	5.6... 5.9	1845.81	OΣ 4	
261	H 1980	SD (12°) 84	25 25	-11 57	120.5	4 ±	9 ... 11	1830+	H 1	
262	OΣ 13	L 736	25 26	36 18	133.2	6.20	7.8... 10.9	1850.06	OΣ 4	A and B }
					163.0	29.06	... 12.5	1878.87	β 2	A and C }
					180.9	41.22	... 10.5	1866.20	Δ 2	A and D }
263	H 1030	....	25 26	33 3	176.4	25 ±	4-5... 9	1828+	H 1	A and B }
					359.4	30 ±	... 14	1828+	H 1	A and C }
264	Σ 35	SD (2°) 68	25 29	- 2 42	268.2	8.69	9.4... 9.6	1830.16	Z 4	
265	S 386	DM (27°) 80	0 25 38	27 52	195.4	42.28	10 ... 10	1825.00	S 2	

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Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
266	Ho 2	DM (34°) 72	0 ^h 25 ^m 41 ^s	34° 58'	100° 5	2' 20	9.5...12.5	1881.80	Ho 2	
267	β 1227	DM (57°) 98	25 41	57 41	206.1	2.82	7.3...11.6	1891.59	β 3	
268	H 3373	....	25 52	-19 37	119.4	80±	7.5... 8	1836.78	H 1	
269	Espin	....	26 :	56 14	113.3	6.36	8.2... 8.5	1892.8	Es 3	
270	A 111	L 755	26 0	- 5 49	212.6	2.13	8.5...13.0	1900.71	A 3	
271	β 780	DM (36°) 79	26 0	37 5	144.2	2.32	8.5... 9.8	1881.73	β 3	
272	H 1031	....	26 3	40 55	112.5	3±	11 ...12	1828+	H 1	
273	Σ 37	W ^o 0 ^h . 411	26 7	15 0	244.6	5.62	9.3... 9.5	1830.24	Σ 5	
274	Σ 36	51 <i>Piscium</i>	26 12	6 18	82.3	27.42	5.0... 9.0	1833.20	Σ 3	W.A.: ash
275	H 1982	52 <i>Piscium</i>	26 18	19 38	309.6	25±	6.7...14	1830+	H 1	
276	β 1310	DM (22°) 79	26 21	22 32	209.3	3.36	7.3...13.1	1903.09	β 3	A and B }
					301.0	15.25	...12.8	1903.09	β 3	A and C }
					145.4	96.53	... 9.4	1902.84	β 2	A and D }
277	Hu 510	DM (51°) 94	26 25	51 11	132.8	1.64	8.0...10.0	1902.55	Hu 3	(<i>Bul. L. O. No. 97</i>)
278	Ho 211	W ^o 0 ^h . 641	26 28	35 12	15.6	1.35	7.7...12.0	1888.92	Ho 2	(<i>A. N. 2977</i>)
279	OΞ 14	P 0 ^h . 103	26 29	27 37	160.3	8.48	6.7...10.7	1847.45	OΞ 3	6.5 <i>yel.</i> (<i>See p. 1096</i>)
280	A. G. 3	DM (29°) 98	26 35	29 27	34.8	4.38	9.4...10	1903.80	M 3	
281	H 1033	....	26 38	62 37	220.7	5±	11 ...11	1828+	H 1	
282	H 3442	Lac. 12	26 40	-26 2	208.3	30±	6½...10	1836.69	H 1	
283	Ho 3	W ^o 0 ^h . 656	27 3	39 27	121.2	0.50	7.7...10	1885.81	Ho 2	
284	Hu 511	DM (49°) 126	27 4	49 27	176.6	4.56	8.4... 9.0	1902.55	Hu 3	(<i>Bul. L. O. No. 97</i>)
285	H 1984	....	27 18	-26 9	33.8	15±	9 ...11	1830+	H 1	
286	H 1032	....	27 24	28 52	249.2	13±	9 ...11	1828+	H 1	
287	H 1983	O. Arg. W. 487	27 33	71 52	306.7	35±	8-9...11	1830+	H 1	9 m in O. Arg.
288	H 1985	....	27 34	48 11	144.5	10±	10=10	1830+	H 1	
289	H 1034	....	27 34	25 35	270.0	1½±	10 ...11	1828+	H 1	
290	Espin 117	DM (54°) 106	27 36	55 3	54.4	3.0	9.0...11	1902.	Es 1	(<i>Mem. Not. LVIII, 172</i>)
291	H 3377	Lac. 122	27 38	-26 45	53.5	15±	8 ...10	1835+	H 1	
292	β 108	O. Arg. W. 492	27 43	62 15	358.1	4.20	7.6...10.7	1875.83	Δ 6	
293	Hd 22	DM (2°) 67	27 44	2 39	....	....	7.8...	1868.87	Hd	
294	A 433	SD (9°) 109	27 45	- 9 33	28.6	3.72	8.9...12.2	1903.75	A 2	
295	H 1035	....	27 57	59 56	129.5	3±	11 ...12	1828+	H 1	"Very near"
296	H 1036	....	28 8	42 13	267.5	3±	11=11	1828+	H 1	
297	Espin 3	DM (55°) 109	28 17	55 56	158.3	8.70	8.2... 9.1	1892.87	Es 3	(<i>A. N. 3717</i>)
298	Δ 2	W ^o 0 ^h . 459	28 22	- 5 12	238.8	0.80	7.1... 7.9	1870.48	Δ 8	A and B }
					45.4	20.09	6.8... 8.5	1830.24	Σ 2	AB and C }
299	Hd 23	DM (3°) 66	28 28	3 13	138.2	22.29	9.5...12	1868.87	Hd 1	
300	Hd 24	....	28 30:	3 11:	....	....	....	1869.92	Hd	No description
301	A. G. 4	DM (25°) 78	28 35	25 47	....	....	8.1...	....	....
302	S 387	DM (18°) 76	28 37	18 14	232.0	42.51	11 ...11½	1824.83	S 2	
303	Σ 41	DM (38°) 72	28 38	38 30	188.6	15.82	8.3...11.5	1833.11	Σ 3	8.3 <i>yel.</i>
304	Σ 38	DM (57°) 106	28 41	58 1	143.8	16.63	8.3... 8.7	1831.80	Σ 3	Very wh.
305	Σ 40	<i>Andromedae</i> 112	28 44	36 10	312.2	11.56	6.8... 8.8	1831.46	Σ 3	<i>Yel.</i> : ash
306	H 1987	....	28 46	42 24	354.4	18±	9-10...13	1830+	H 1	
307	H 1988	....	28 51	-23 45	204.4	15±	10 ...11	1830+	H 1	"A third star 14 m. p."
308	β 1291	DM (37°) 94	28 56	37 2	169.1	2.78	8.4...12.8	1900.75	β 3	
309	Hu 61	W ^o 0 ^h . 468	28 57	14 13	225.1	1.61	9.5...11.2	1888.77	Com 3	
310	A. G. 5	DM (35°) 97	28 58	35 56	....	....	9.1...	....	....
311	Hd 25	....	29 :	2 40:	....	12±	8.8... 9.5	1868.87	Hd 1	
312	Hd 27	....	29 :	3 26:	....	...	....	1868.87	Hd	"nd DM (3°) 69"
313	Hd 26	DM (2°) 71	29 2	2 26	f	11±	9.5...10.5	1868.87	Hd 1	
314	Ho 212	13 <i>Ceti</i>	29 4	- 4 15	65.3	37.12	6 ...12.5	1877.78	β 1	AB and C }
					93.4	0.3±	....	1887.81	Ho 1	A and B }
315	H 1037	....	29 7	65 11	198.7	13±	10-11...11-12	1828+	H 1	
316	H 1986	Rad ^l . 142, 146	29 12	84 5	52.4	30±	8 ... 9	1830+	H 1	
317	OΞ 15	L 864	0 29 14	48 22	....	obl?	7.8...	....	OΞ	

Within 121° of the North Pole

0^h

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
318	H 625	DM (31°) 77	0 ^h 29 ^m 15 ^s	31° 36'	273°	7" ±	9 ... 17	1820+	H 1	
319	A. G. 6	A. G. Lep. 145	29 16	11 11	10.2	58.43	8.2...10	1892.84	Lp 1	
320	H 1038	....	29 19	63 4	97.0	1½ ±	11 ... 11+	1828+	H 1	
321	Hd 28	DM (2°) 73	29 27	2 40	<i>np</i>	12 ±	8.9... 9.5	1868.87	Hd	
322	Σ 42	DM (29°) 105	29 38	29 21	35.3	5.32	7.9... 8.7	1832.00	Σ 4	White
323	H 1039	W ¹ 0 ^h . 480	29 45	- 6 48	291.8	15 ±	9 ... 12	1828+	H 1	
324	β 1096	O. Arg. N. 534	29 46	57 51	267.7	0.22	9.5... 9.5	1889.61	β 3	A and B }
					61.8	33.38	... 8.9	1889.60	β 3	AB and C }
325	Σ 43	O. Arg. N. 539	29 59	59 51	165.8	4.58	8.5... 9.0	1832.47	Σ 3	White
326	Espin —	....	30 :	56 3	158.5	8.66	8 ... 9	1892.8	Es 2	
327	Hu 410	DM (21°) 71	30 15	21 22	321.0	3.31	9.0... 11.0	1901.94	Hu 3	(Bul. L. O. No. 21)
328	H 1989	DM (72°) 35	30 23	72 14	49.3	20 ±	8 ... 12-13	1830+	H 1	A and B } 6.7 m. in DM
					348.5	8 ±	... 14	1830+	H 1	B and C }
329	μ V. 17	π Andromedae	30 28	33 4	175.4	35.95	4½ ... 9	1821.88	Sh 2	
330	β 1097	Rm ¹ . 159	30 30	57 21	71.6	0.76	8.4... 8.4	1889.60	β 4	
331	H 3379	L 937	30 47	-28 5	229.1	8 ±	9 ... 12	1835.87	H 1	
332	β 230	W ¹ 0 ^h . 764	30 59	26 39	324.1	3.91	8.4... 9.0	1891.70	β 3	
333	Hd 29	....	31 :	1 26:	325 ±	25 ±	7.8... 9.2	1881.04	Hd	
334	Hu 512	DM (48°) 185	31 11	48 35	170.9	0.92	9.2... 9.5	1902.58	Hu 3	(Bul. L. O. No. 27)
335	β 395	B. A. C. 160	31 12	-25 26	104.7	0.65	6.1... 6.3	1886.85	LM 2	
336	Hu 411	DM (21°) 75	31 18	22 1	98.8	0.67	8.5... 8.5	1901.94	Hu 3	(Bul. L. O. No. 21)
337	H 1040	....	31 37	65 7	356.4	2 ±	11-12... 11-12	1828+	H 1	"Delicate"
338	Hd 30	DM (2°) 81	31 41	2 21	41.0	6.26	9.5... 10.5	1869.91	Hd 1	
339	Ho 305	W ¹ 0 ^h . 783	31 41	24 31	192.2	5.40	8 ... 11	1889.96	Ho 2	
340	Σ 44	W ¹ 0 ^h . 788	31 56	40 20	258.8	7.86	8.3... 9.0	1829.82	Σ 3	Yellowish
341	Hd 31	DM (-0°) 75	31 56	- 1 10	306.8	30.48	7.6... 11.5	1901.79	β 2	
342	Lamont 1	....	32 :	61 14:	357.0	69.87	....	1836.0	Lam 1	A and B }
					42.2	8.09	....	1836.0	Lam 1	B and C }
					23.4	....	....	1836.0	Lam 1	A and C }
343	H 1990	....	32 1	-22 10	344.0	15 ±	10 ... 11	1830+	H	
344	Hd 32	DM (2°) 83	32 3	2 25	<i>nf</i>	4 ±	9 ... 9½	1868.87	Hd	
345	OΣ (App) 5	Rm ¹ . 167	32 4	76 13	144.2	115.50	6.2... 8.0	1875.23	Δ 3	
346	Σ 45	Cassiopeiae 63	32 7	46 18	82.9	8.79	7.0... 10.0	1829.45	Σ 2	
347	β 1159	DM (39°) 148	32 28	40 1	41.7	0.23	9.7... 9.9	1890.68	β 3	
348	Hu 513	DM (50°) 118	32 29	50 48	201.9	1.31	9.0... 9.8	1902.55	Hu 3	(Bul. L. O. No. 27)
349	OΣ 16	B. A. C. 165	32 32	48 42	25.6	14.76	6.3... 10.8	1845.92	OZ 2	6.0 yellow
350	H 1042	....	32 39	59 22	57.5	9 ±	10 ... 11	1828+	H 1	
351	H 1043	....	32 44	60 24	172.0	7 ±	11 ... 11	1828+	H 1	"In a cluster of 8th class"
352	β 1311	DM (60°) 78	32 45	61 2	340.1	8.59	8.5... 13.3	1903.81	β 4	
353	H 1991	L 1004	32 51	-25 46	93.3	40 ±	8 ... 10	1830+	H 1	"Fine orange: contrasted blue"
354	β 491	δ Andromedae	32 54	30 12	299.3	27.86	3 ... 12.5	1878.40	β 3	
355	H 1992	O. Arg. S. 326	32 57	-26 15	246.8	40 ±	7-8... 9	1830+	H 1	B is O. Arg. N. 325
356	Hu 5	SD (13°) 109	33 3	-13 12	133.0	4.12	9.0... 9.0	1899.58	Hu 1	(A. J. 480)
357	OΣ 17	L 1003	33 8	36 8	161.3	8.35	7.5... 10.7	1846.97	OZ 3	7.5 white
358	H 3380	....	33 35	-17 23	96.2	30 ±	7½ ... 13	1836.78	H 1	
359	β 257	L 1019	33 37	46 36	236.6	0.48	7.9... 9.0	1876.04	Δ 4	
360	Σ 46	55 Piscium	33 37	20 47	192.7	6.37	5.0... 8.2	1830.27	Σ 3	Very yellow: very blue
361	H 1993	α Cassiopeiae	33 42	55 53	272.4	17.56	3 ... 14.5	1889.60	β 3	A and B }
					108.7	40.07	... 13.5	1878.11	β 2	A and C }
					278.8	90 ±	...(14)	1830+	H 1	A and D }
362	H 1044	DM (42°) 139	33 44	43 3	324.5	20 ±	9 ... 9-10	1828+	H 1	
363	Σ 47	Andromedae 125	33 59	23 24	204.7	16.51	6.7... 8.6	1832.44	Σ 4	A and B }
					227.7	41.3	... 10.5	....	Σ	A and C } 6.7 white
364	β 109	Ceti 91	34 27	-17 10	355.7	91.11	7.0...	1876.94	Δ 1	A and B }
					164.0	11.02	10.7... 11.2	1876.66	Δ 3	B and C }
365	DM (51°) 127	0 34 35	52 0	73.5	20.06	8.8... 9.0	1903.80	β 2	

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Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
366	H 323	B. A. C. 174	0 ^h 34 ^m 35 ^s	- 5° 1'	285° ±	60" ±	6½... 8.5	1820+	H	
367	A 434	A. G. Berlin B 204	34 39	24 18	29.0	0.79	9.3... 9.4	1903.76	A 3	
368	Σ 49	L 1073	34 42	- 7 53	321.5	4.49	6.5... 10.0	1830.92	Z 3	6.5 <i>yel. wh.</i>
369	H 1045	....	35 5	62 56	155.5	3 ±	11 ... 11	1828+	H	
370	Ku 6	DM (13°) 91	35 6	13 59	228.6	1.89	9.8... 10.0	1901.48	Ku 2	Kustner (38st)
371	Hu 514	DM (48°) 208	35 7	49 3	174.0	3.46	9.0... 10.0	1902.58	Hu 3	(<i>Bul. L. O. No. 27</i>)
372	Σ 48	O. Arg. W. 619	35 10	70 43	332.4	5.49	7.0... 7.2	1836.69	Z 2	<i>Very white</i>
373	Hu 515	DM (48°) 209	35 16	48 58	97.6	1.18	8.7... 11.5	1902.58	Hu 3	(<i>Bul. L. O. No. 27</i>)
374	OΣ 18	L 1118	36 12	3 31	93.6	1.40	7.4... 9.5	1845.70	OZ 2	
375	Σ 50 <i>rej.</i>	O. Arg. W. 635	36 12	76 33	75.9	15 ±	9 ... 11	1830+	H 1	From H (V), 8...11, 1.
376	H 5	....	36 20	10 4	290 ±	25 ±	10 ... 11	1820+	H 1	(See p. 1056)
377	A 435	SD (6°) 119	36 20	- 6 22	224.9	0.51	9.3... 9.8	1903.73	A 1	
378	H 1046	....	36 25	61 8	63.8	15 ±	9-10... 11	1828+	H 1	
379	H 1994	....	36 40	73 3	267.5	6 ±	10 ... 12	1830+	H 1	
380	H 1047	....	36 41	63 32	69.4	5 ±	11 ... 12	1828+	H 1	
381	H 1995	....	36 48	-10 35	145.4	30 ±	8 ... 11	1830+	H 1	"Neat." 7.0m. in SD
382	Hu 412	SD (16°) 120	36 57	-16 42	351.8	0.40	9.0... 12.0	1901.94	Hu 2	(<i>Bul. L. O. No. 21</i>)
383	Σ 51	DM (16°) 70	37 16	16 42	131.5	4.16	8.0... 9.5	1830.88	Z 3	<i>Very wh.: ashy</i>
384	Σ 53 <i>rej.</i>	Lam. 126	37 18	- 1 32	....	Cl. IV	8-9... 10	....	....
385	OΣ 19	L 1143	37 21	36 54	117.3	9.57	7.8... 10.7	1847.22	OZ 3	7.8 <i>yel.</i>
386	Σ 54	DM (32°) 121	37 22	32 54	195.7	17.49	9.0... 10.2	1830.30	Z 2	
387	H 1998	DM (51°) 139	37 28	51 58	....	....	....	1830+	H 1	
388	Σ 52	DM (45°) 187	37 31	45 35	25.8	1.42	8.0... 9.0	1831.40	Z 3	8.0 <i>yePsh</i>
389	H 3389	....	37 37	-19 12	74.7	28 ±	9 ... 9½	1836.78	H 1	
390	H 1048	....	37 44	- 8 18	275.0	8 ±	11 ... 12	1828+	H 1	
391	μ N. 122	21 Cassiopeiae	37 44	74 20	47	Cl. VI	....	1798.76	μ	
392	Σ 55	L 1164	37 55	32 58	322.9	2.10	8.0... 8.8	1831.47	Z 3	<i>White</i>
393	Σ 56 <i>rej.</i>	....	37 58:	32 54:	....	III-IV	8-9... 9-10	....	Z	
394	H 1049	....	38 1	50 6	298 ±	12 ±	10 ... 11-12	1828+	H 1	
395	β 231	o Cassiopeiae	38 2	47 38	303.9	32.81	5.5... 12.0	1876.31	A 1	
396	H 1050	....	38 6	44 23	187.0	8 ±	10 ... 11-12	1828+	H 1	
397	A. G. 7	A. G. Lelp. 193	38 8	11 56	316.7	21.01	9.1... 11	1892.84	Lp 1	
398	H 1051	....	38 11	24 3	275.0	1½ ±	10 ... 14	1828+	H 1	
399	Hu 3	DM (52°) 158	38 24	52 54	54.5	2.65	8.5... 8.6	1881.57	β 3	
400	H 6	....	38 26	11 59	315 ±	15 ±	9-10... 11	1820+	H 1	
401	β 492	B. A. C. 201	38 27	54 34	152.6	1.90	6 ... 12	1878.73	β 2	
402	β 865	DM (42°) 161	38 52	42 45	197.4	1.21	8.5... 9.0	1880.78	β 4	
403	Arg. 2	O. Arg. W. 694	38 59	54 20	....	Cl. IV	8-9...	....	....
404	H 626	DM (30°) 110	39 0	31 1	330 ±	20 ±	9 ... 14	1820+	H 1	
405	β 493	DM (50°) 137	39 4	50 27	51.4	0.85	9.0... 9.0	1878.67	β 2	(See p. 1056)
406	Σ 58 <i>rej.</i>	DM (9°) 84, 85	39 6	9 39	....	Cl. IV	8 ... 9	....	Z	Place from <i>Pos. Mod.</i>
407	Hd 33	DM (-0°) 112	39 6	- 0 50	....	....	9.3...	1868.88	Hd	"Very wide"
408	H 7	....	39 14	11 55	135 ±	10 ±	9 ... 10	1820+	H 1	"In field with H 6"
409	H 1052	....	39 18	64 37	290.0	9 ±	10-11... 10-11	1828+	H 1	
410	H 3394	....	39 28	-20 38	86.3	18 ±	10 ... 10½	1836.78	H 1	
411	H 627	....	39 29	35 46	165 ±	8 ±	11 ... 12	1820+	H 1	
412	Σ 57 <i>rej.</i>	....	39 38	71 58	195.1	6 ±	10 ... 11	1830+	H 1	
413	Muller 1	O. Arg. S. 397	39 42	-17 5	193.0	2.48	7.5... 10.5	1887.01	LM 1	
414	β 866	DM (42°) 166	39 43	42 45	68.2	1.26	9.2... 9.2	1880.78	β 4	
415	Σ 1, App. I	P 0 ^b . 175-6	39 58	30 17	55.4	46.42	6.7... 6.7	1834.83	Z 5	<i>White</i>
416	Ho 492	DM (41°) 130	40 28	41 18	115.4	2.70	8.5... 10.5	1897.81	Ho 1	(<i>A. N. 3557</i>)
417	μ V. 82	DM (50°) 141	40 38	50 27	82.2	43.43	....	1783.05	μ	(See p. 1056)
418	Hu 413	DM (22°) 121	40 40	22 36	242.7	0.83	8.0... 9.2	1901.90	Hu 3	(<i>Bul. L. O. No. 21</i>)
419	Hu 801	SD (14°) 133	40 42	-14 25	138.4	2.53	8.0... 13.0	1901.97	Hu 1	
420	β 494	L 1266	40 53	- 1 54	168.5	1.38	8.1... 8.1	1878.20	β 2	
421	Bowyer 1	0 41 :	32 34:	12.9	0.53	1897.81	Bow 1	

Within 121° of the North Pole

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Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
422	Σ 59	P 0 ^h . 181	0 ^h 41 ^m 11 ^s	50° 47'	145° 0	2.19	7.2... 8.1	1832.33	Z 4	Very white
423	H 1997	....	41 12	74 59	46.7	12±	10 ... 10+	1830+	H 1	
424	OE (App) 8	W ² 0 ^h . 693	41 25	12 14	125.1	44.84	8.1... 8.4	1874.73	Δ 3	(See p. 1057)
425	Ho 306	DM (24°) 118	41 42	24 54	164.6	1.08	8.5... 8.8	1893.80	Ho 1	(A. N. 3233)
426	Σ 60	γ Cassiopeiae	41 43	57 11	92.1	9.39	4.0... 7.6	1836.70	Z 4	Yel.: purple
427	H 1998	....	41 49	- 1 41	339.4	15±	10 ... 12	1830+	H	
428	Hd 34	....	42 :	2 31:	ϕ	3±	11 ... 11.5	1866.93	Hd	"Hazy star"
429	Innes 261	Lac. 219	42 5	-30 0	60±	0.5±	7.8... 8.1	....	I	
430	H 8	....	42 20	12 2	50±	5-6	12 ... 13	1820+	H	"A third larger star ϕ"
431	β 495	L 1308	42 25	18 2	230.9	0.58	7.5... 7.5	1878.70	β 1	
432	Hd 35	W ² 0 ^h . 715	42 28	- 2 25	37.4	7.04	8 ... 11	1867.89	Hd 1	
433	H 1054	O. Arg. N. 779	42 31	60 6	176.0	5±	9 ... 13	1828+	H 1	
434	H 1053	....	42 32	60 31	170.0	12±	10-11... 11	1828+	H 1	
435	Hd 36	O. Arg. S. 439	43 10	-21 48	16.6	21	7 ...	1868.82	Hd 1	
436	β 301	L 1350	43 21	-22 3	318.8	0.90	8.3... 14	1891.79	β 3	A and B }
					300.7	11.23	... 9.4	1891.78	β 3	A and C }
437	OE (App) 9	W ² 0 ^h . 1081	43 21	29 48	234.5	91.76	7.0... 7.7	1875.12	Δ 3	
438	β 1160	B. A. C. 230	43 24	-14 13	113.1	1.19	5.8... 12.0	1890.69	β 3	
439	Σ 61	65 Piscium	43 26	27 3	299.0	4.45	6.0... 6.0	1832.13	Z 4	Yelish
440	β 232	O. Arg. N. 794	43 38	49 59	288.4	0.48	8.0... 8.5	1876.23	Δ 6	A and B }
					292.8	28.70	... 10.2	1875.99	Δ 3	AB and C }
441	A 436	A. G. Ber. B 252	43 39	24 49	27.2	0.35	9.5... 9.7	1903.73	A 1	(Bul. L. O. No. 90)
442	H 1999	....	43 45	69 30	15±	20±	9-10... 10	1830+	H 1	
443	Σ 62	W ² 0 ^h . 1090	43 45	35 9	302.5	11.41	8.5... 9.2	1832.44	Z 3	
444	Σ 63	W ² 0 ^h . 734	43 56	11 11	195.2	11.42	8.2... 11.2	1832.41	Z 4	Yel.
445	β 781	L 1337	44 2	68 20	31.2	1.04	8.1... 8.6	1881.51	β 3	
446	Ho 4	DM (33°) 118	44 10	33 18	202.0	1.48	9 ... 9	1882.83	Ho 2	
447	Σ 64	DM (40°) 175	44 32	40 33	271.9	3.57	9.2... 9.7	1830.77	Z 3	
448	Σ 65	O. Arg. N. 810	45 8	68 13	35.1	2.99	8.0... 8.0	1832.44	Z 3	Very wh.
449	Hu 516	DM (48°) 258	45 12	48 15	110.2	1.30	9.0... 10.0	1902.56	Hu 3	(Bul. L. O. No. 97)
450	H 1055	....	45 14	64 8	336.8	8±	10 ... 11	1828+	H 1	
451	Hu 414	DM (22°) 138	45 16	22 59	118.5	1.53	9.0... 12.5	1901.90	Hu 3	(Bul. L. O. No. 91)
452	β 496	L 1416	45 18	12 8	2.4	5.12	7 ... 13	1878.74	β 2	
453	H 628	W ² 0 ^h . 1137	45 25	33 14	65±	35±	7 ... 16	1820+	H 1	
454	Σ 68	W ² 0 ^h . 777	45 46	- 8 49	296.0	7.48	8.0... 10.0	1830.24	Z 3	
455	β 1	O. Arg. N. 819	45 50	55 58	81.0	1.42	8.1... 10.1	1875.34	Δ 4	A and B }
					133.3	3.70	... 8.9	1875.34	Δ 4	A and C }
					192.9	8.82	... 9.5	1875.34	Δ 4	A and D }
					333.1	15.84	... 12.5	1889.55	β 3	A and E }
456	Σ 67	L 1432	45 52	9 57	13.0	1.58	8.3... 9.0	1830.91	Z 3	White
457	Σ 66 rej.	W ² 0 ^h . 1146	45 54	35 23	....	Cl. IV	8 ... 11	....	Z	(See p. 1057)
458	β 497	B. A. C. 239	45 55	60 28	171.6	121.20	6.0... 9.0	1878.66	β 1	A and B }
					150.9	0.9	... 11-1	1877.59	β 1	B and C }
459	Wiese 2	W ² 0 ^h . 1148	45 56	25 8	....	....	8 ...	....	....
460	A. G. 8	A. G. Chris. 160	45 59	67 56	215.2	17.84	9.1... 9.1	1891.82	β 2	
461	H 2000	....	46 6	-15 30	116.9	12±	10 ... 11	1830+	H 1	
462	Hu 201	SD (14°) 152	46 7	-13 53	129.2	0.59	8.9... 9.5	1900.88	Hu 3	(A. J. 494)
463	O. Stone 3	L 1458	46 20	-23 16	271.9	2.39	7.0... 8.0	1877.84	Cin 5	
464	β 498	L 1459	46 33	9 9	156.2	2.53	8.0... 12.0	1878.26	β 2	
465	A. G. 9	A. G. Chris. 163	46 41	68 24	71.3	6.57	9.1... 9.2	1891.82	β 2	
466	β 734	Ceti 132.	46 47	-24 40	348.9	10.74	6.0... 11.0	1879.68	β 3	
467	Σ 70	DM (51°) 179	46 52	52 2	244.0	7.92	7.0... 10.0	1832.34	Z 4	7.0 wh.
468	Σ 71	....	47 7	4 21	341.2	8.76	8.5... 9.8	1830.96	Z 3	
469	H 9	DM (11°) 112	47 9	11 19	100±	15±	9 ... 9½	1820+	H 1	"Nearly equal"
470	Hd 37	W ² 0 ^h . 802.	47 17	2 39	325.7	1.32	9 ...	1866.92	Hd 1	
471	O. Stone 4	Lac. 241	0 47 19	-25 26	11.8	5.33	6.7... 8.3	1877.80	Cin 3	

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Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
472	Hd 38	....	0 ^h 47 ^m 30. ^s	— 1° 19'	300° ±	35" ±	9.5...10	1881.04	Hd	"s ^p DM (—1") 116"
473	Espin 118	DM (63°) 111	47 42	63 43	241.3	2.6	8.6... 8.7	1902.	Es 2	(Mon. Not. LXIII, 170). (See p. 1057)
474	Σ 69	Redhill 118	47 51	83 2	359.8	21.44	8.5... 9.7	1832.23	Σ 2	
475	β 1098	v ¹ Cassiopeiae	47 53	58 19	75.2	12.79	6 ... 13.5	1889.60	β 3	
476	Σ 72	DM (38°) 140	47 59	38 31	182.3	24.33	8.0... 9.0	1831.76	Σ 2	Yel'sh
477	Hu 802	DM (48°) 288	48 4	48 45	212.3	0.26	7.2... 7.8	1902.77	Hu 1	
478	H 3407	L 1522	48 7	—25 42	126.2	15 ±	10 = 10	1835.9	H	
479	OE 20	66 Piscium	48 14	18 32	72.8	0.62	5.9... 7.0	1847.33	OE 4	
480	Σ 74	DM (8°) 126	48 31	8 47	301.9	3.04	8.0... 9.0	1830.84	Σ 3	White
481	H 1056	....	48 31	61 12	133.1	9 ±	10 ... 12	1828+	H	
482	Σ 73	36 Andromedae	48 32	22 59	320.5	0.94	6.2... 6.8	1836.90	Σ 3	Golden
483	A 437	A. G. Camb. 543	48 39	27 31	26.8	2.48	9.1... 9.3	1903.73	A 2	(Bul. L. O. No 50)
484	Σ 75	DM (12°) 109	48 49	12 54	275.3	4.82	8.6... 10.6	1831.88	Σ 5	
485	β 500	L 1539	48 53	30 1	289.0	1.04	8.1... 8.1	1878.36	β 2	
486	H 629	W ² 0 ^h . 1224	48 59	33 54	70 ±	8 ±	8 ... 11-12	1820+	H 1	
487	β 233	O. Arg. S. 505	49 9	—18 6	268.6	1.42	8.6... 9.4	1876.77	Δ 4	
488	β 1028	γ Cassiopeiae	49 28	60 4	255.9	2.18	2.3... 11.0	1888.69	β 6	A and B }
					348.2	52.15	... 13	1879.68	β 4	A and C }
489	β 1099	B. A. C. 255	49 34	59 43	270.2	0.15	6.1... 6.8	1889.57	β 3	
490	Howe 1	O. Arg. S. 509	49 52	—17 1	106.6	1.83	8.0... 9.0	1878.75	Cin 2	
491	Espin 44	DM (56°) 156	49 54	56 51	243.0	5 ±	8.0... 10.0	1901	Es	(A. N. 3784)
492	Hd 39	DM (—1°) 119	49 59	— 1 3	W	15 ±	9 ...	1868.87	Hd	Hd 40 is near; no description
493	Espin —	....	50 :	57 15	116.3	4.86	9.6... 9.8	1892.80	Es 2	
494	....	....	50 :	0 30	253.5	16.35	7.5... 8.0	1899.88	Doo 2	
495	Arg. 3	O. Arg. N. 901	50 3	59 41	....	30 ±	8-9...	....	
496	H 2001	....	50 3	—22 42	44.3	15 ±	10-11... 11	1830+	H 1	
497	H 1057	μ Andromedae	50 6	37 51	314.4	37.27	4 ... 13	1878.67	β 3	A and B }
					116.9	38.37	... 11.5	1878.67	β 3	A and C }
498	Ho 307	DM (31°) 147	50 9	31 33	84.6	1.75	9.5... 9.7	1891.07	Ho 2	(A. N. 3233)
499	Σ 76	DM (9°) 108	50 19	10 1	198.1	2.72	8.8... 11.5	1830.54	Σ 3	Yel'sh (See p. 1057)
500	Hn 4	DM (53°) 184	50 34	53 45	125.0	0.97	8.5... 9.0	1881.58	β 3	
501	H 2002	....	50 36	—16 52	108.6	7 ±	11... 11	1830+	H 1	
502	H 1058	....	51 3	49 34	279.8	7 ±	10-11=10-11	1828+	H 1	
503	H 2003	....	51 21	53 46	3.1	12 ±	10... 10	1830+	H 1	
504	Σ 77	....	51 37	26 16	299.2	10.07	9.1... 9.1	1832.63	Σ 4	
505	H 2004	O. Arg. S. 531	51 42	—19 39	241.0	3 ±	8 ... 11	1830+	H	
506	Knott 1	DM (81°) 25	51 43	81 14	62.3	13.79	Var... 11.2	1881.32	β 4	A and B }
					322.7	21.22	... 12.2	1881.32	β 4	A and C }
507	Wn 1	W ¹ 0 ^h . 881	51 46	8 38	130.2	5.32	9 ... 9.2	1863.86	Wn 2	
508	β 302	P 0 ^h . 245	51 55	20 45	92.5	0.75	6.7... 8.1	1876.27	Δ 4	
509	Hd 41	....	52 :	4 15:	np	5 ±	9.5... 10.5	1868.95	Hd	
510	H 1060	....	52 0	44 16	297.0	8 ±	10 ... 11	1828+	H	"Points to a star 7-8 m."
511	H 2005	DM (4°) 144	52 4	5 0	160.8	20 ±	10 ... 11	1830+	H	
512	H 1059	....	52 9	65 1	185.8	10 ±	10 ... 10	1828+	H 1	
513	S 390	L 1662	52 11	—16 20	212.9	7.78	9 ... 10	1824.90	S 2	
514	A. G. 10	DM (23°) 135	52 17	24 2	112.0	4.59	9.0... 9.8	1901.86	Hu 2	
515	H 1061	....	52 29	66 38	99.4	12 ±	10... 11	1828+	H 1	
516	A 438	SD (8°) 174	52 43	— 8 24	39.0	0.77	9.2... 9.5	1903.72	A 2	(Bul. L. O. No. 50)
517	H 1062	....	52 52	48 36	113.0	7 ±	10... 12	1828+	H 1	
518	Σ 78	W ¹ 0 ^h . 894	52 53	4 44	245.5	5.26	9.0... 9.5	1831.40	Σ 4	
519	Σ 80	P 0 ^h . 251	53 15	0 8	300.1	18.26	7.8... 8.2	1833.68	Σ 6	Yel.: blue
520	Σ 79	Andromedae 164	53 15	44 4	192.4	7.62	6.0... 7.0	1832.45	Σ 3	Very wh.: very blue
521	H 2006	....	53 16	75 9	178.0	18 ±	10 ... 10	1830+	H 1	
522	H 2007	....	53 17	—25 36	196.7	25 ±	9 ... 12	1830+	H 1	
523	H 630	53 43	30 18	25 ±	3 ±	11 ... 11	1820+	H 1	
524	Ma 1	DM (46°) 229	0 53 44	46 40	45.1	0.97	1845.68	Ma 2	

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0^h

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
525	H 1063	....	0 ^h 53 ^m 53 ^s	61° 49'	279° 4	3' ±	10-11...11-12	1828+	H 1	
526	Σ 81 <i>rej.</i>	SD (2°) 136	53 56	- 2 40	....	CL IV	7-8...11		Z	From Cat. Nov.
527	β 867	L 1719	53 56	11 17	174.8	0.96	8.1... 8.6	1880.21	β 3	
528	Σ 82	L 1737	54 26	8 50	303.8	1.74	8.3... 9.3	1830.43	Z 3	
529	H 2006	....	54 29	53 1	69.0	2½ ±	13=13	1830+	H	
530	Espin 45	DM (48°) 320	54 32	48 54	242.0	7.9	6.2...10.0	1901	Es	7.0 in DM (A. N. 3764)
531	β 234	O. Arg. S. 563	54 36	-17 43	330.8	4.65	8.2... 8.5	1875.84	Δ 3	A and B }
					132.4	60.28	... 8.0	1876.30	Δ 2	A and C }
532	H 2009	....	54 34	-13 35	349.7	12 ±	11 ...12	1830+	H 1	
533	A. G. 11	A. G. Ltp. 263	54 44	11 45	4.0	52.21	8.7... 9.0	1892.84	Lp 1	
534	A. G. 12	DM (23°) 139	55 24	23 9	243.4	4.48	9.1...	1902.80	M 3	
535	Hu 202	SD (11°) 188	55 36	-10 52	240.0	2.17	8.5...13.5	1900.81	Hu 3	(A. J. 494)
536	A. G. 13	SD (6°) 190	55 38	- 6 37	148.4	2.46	8.7...10.0	1903.73	A 1	
537	β 1161	L 1766	55 53	51 9	324.2	0.48	6.9... 7.7	1890.71	β 3	
538	H 2010	O. Arg. N. 1012	55 54	47 3	271.6	10 ±	9 ...10	1830+	H 1	
539	Ho 493	L 1791	56 4	27 6	21.4	33.38	6.5...12.5	1893.79	Ho 1	
540	Hu 62	SD (9°) 205	56 5	- 9 30	291.0	1.25	10.0...10.0	1888.79	Com 4	
541	OZ 21	DM (46°) 243	56 7	46 44	177.1	0.58	6.9... 8.2	1847.84	OZ 4	
542	H 1064	39 <i>Andromedae</i>	56 10	40 42	4.8	16 ±	6 ...15	1828+	H 1	"Delicate"
543	β 396	B. A. C. 282	56 14	60 26	66.4	1.24	6.1... 9.2	1877.10	Δ 4	
544	H 3411	....	56 16	-30 38	2.1	15 ±	9½...12	1834+	H 1	
545	Σ 83 <i>rej.</i>	DM (49°) 275	56 30	49 40	311.1	11 ±	9 ...11	1828+	H 1	
546	H 2012	....	56 30	-10 42	171.6	5 ±	10 ...11	1830+	H 1	
547	See 10	Ord. DM (22°) 358	56 33	-22 15	323.0	4.94	8 ...10.3	1897.63	See 1	(See p. 1057)
548	Ho 494	DM (26°) 170	56 39	26 38	94.5	11.66	8 ...13	1893.82	Ho 1	(A. N. 3557)
549	Hu 517	DM (49°) 277	56 44	49 47	13.8	0.52	7.8... 8.2	1902.57	Hu 3	(Bul. L. O. No. 87)
550	Ho 495	DM (26°) 171	56 52	26 26	251.6	11.91	8 ...12	1893.81	Ho 1	(A. N. 3557)
551	Ho 213	DM (34°) 171	57 21	34 49	195.6	0.25 ±	7 ... 7	1887.37	Ho 2	(See p. 1057)
552	Hu 5	DM (27°) 167	57 31	27 8	179.0	2.99	8.6...11.5	1881.67	β 3	(Pub. Washburn Obsy. 1)
553	Σ 84	26 <i>Ceti</i>	57 38	0 43	252.0	16.05	6.6... 9.0	1832.94	Z 4	Wh.: blue
554	Hu 518	DM (49°) 281	57 48	49 52	334.6	0.71	9.0...10.5	1902.66	Hu 4	A and B }
					124.9	0.48	10.0...10.0	1902.70	Hu 3	C and D }
					25.3	150.95	....	1902.67	Hu 1	AB and CD }
555	A 204	SD (2°) 148	58 19	- 2 42	54.2	0.95	9.2... 9.6	1901.97	A 3	
556	Σ 85 <i>rej.</i>	SD (6°) 200	58 20	- 5 57	159.5	28.71	8.2...10.2	1902.67	β 3	A and B }
					117.3	33.90	...10.8	1902.67	β 3	A and C }
557	H 631	W ^o 0 ^h . 1444	58 32	27 20	20 ±	20 ±	9 ...12	1820+	H 1	
558	H 1065	....	58 32	27 28	161.4	18 ±	9 ...11	1828+	H 1	
559	H 1067	DM (25°) 164	58 40	25 35	238.3	15 ±	10=10	1828+	H 1	
560	Σ 86	L 1885	58 43	- 6 7	171.0	12.12	8.0... 8.7	1832.22	Z 3	
561	H 1068	72 <i>Piscium</i>	58 44	14 18	265.6	30 ±	5-6...18	1828+	H 1	
562	β 735	Lac. 296	58 53	-34 10	218.3	8.64	7.0...11.5	1879.68	β 2	
563	H 10	DM (12°) 131	58 54	12 11	310 ±	3 ±	8 ...10	1820+	H	A and B }
					50 ±	7-8 ±	... 9	1820+	H	A and C }
564	H 2011	....	59 :	84 7	322.7	15 ±	9 ...11	1830+	H	
565	Hd 42	....	59 :	1 4:	255 ±	5 ±	9.5...10.8	1881.04	Hd	
566	H 1068	O. Arg. N. 1080	59 1	62 2	302.2	6 ±	9 ...14	1828+	H	
567	A. G. 14	DM (20°) 154	59 7	20 29	210.5	0.93	8.8... 9.2	1901.92	Hu 2	
568	Σ 87	W ^o 0 ^h . 1012	59 9	14 45	193.0	6.56	8.0... 8.5	1829.85	Z 3	Yellow
569	H 2013	....	59 10	44 8	256.0	20 ±	9-10...13	1830+	H	
570	Σ 88	ψ ^o <i>Piscium</i>	59 15	20 50	160.3	29.90	4.9... 5.0	1832.11	Z 4	
571	Ho 5	DM (32°) 191	59 18	32 21	310 ±	0.4 ±	8 ... 8	1885.93	Ho 2	
572	β 1228	DM (12°) 133	59 30	12 41	268.0	0.82	8.3... 8.9	1891.59	β 3	
573	S 393	σ ^o <i>Piscium</i>	59 35	31 32	285.5	48.13	6 ... 9.5	1780.9	H 1	A and B }
					234.4	138.41	...10	1879.27	β 2	A and C }
574	Σ 90	77 <i>Piscium</i>	0 59 37	4 16	82.7	32.84	5.9...6.8	1833.30	Z 5	White

umber	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
575	H 1069	....	0 ^h 59 ^m 46 ^s	69° 22'	330° 1	12" ±	10-11...10-11	1828+	H	
576	H IV. 66	Cassiopeiae 106	59 59	52 51	76.8	24.03	....	1783.05	H 1	
577	H 2014	O. Arg. S. 620	1 0 1	-26 57	124.3	15 ±	8-9...11	1830+	H	
578	Σ 89 rej.	O. Arg. W. 1090	0 13	79 42	....	III-IV	8-9... 9	....	Z	
579	H 632	....	0 20	- 0 7	135 ±	2 ±	11 ...12	1820+	H	"Elegant"
580	OΞ (App) 11	W ^o 0 ^h . 1484	0 25	38 0	157.9	62.96	7.7... 8.2	1875.79	Δ 4	
581	Doo 2	....	0 33	61 2	342.4	0.60	9.5...10.5	1900.64	Doo 1	
582	H 2016	....	0 38	0 6	3.0	20 ±	9-10...10	1830+	H	
583	β 501	L 1958	0 40	- 5 17	29.9	2.55	8.0...11.7	1878.49	β 2	
584	OΞ 22	L 1955	0 46	10 55	195.0	8.75	7.2...10.2	1847.48	OΞ 3	7.0 white
585	Ho 308	W ^o 0 ^h . 1493	0 47	33 21	260.2	16.92	8.2...13	1891.10	Ho 1	(A. N. 3833)
586	H 217	SD (13°) 201	0 53	-13 41	78.1	10 ±	10 ...10+	1820+	H	(See p. 1057)
587	β 397	L 1943	0 54	46 12	142.1	8.75	7.6... 9.8	1876.64	Δ 2	A and B }
					63.8	16.63	...13	1891.70	β 3	A and C }
588	A 439	SD (6°) 207	0 56	- 5 58	173.3	1.77	9.0...14.2	1903.72	A 2	(Bul. L. O. No. 90)
589	H 1070	....	0 56	61 32	85.0	3 ±	11 ...12	1828+	H	
590	Lamont 2	....	1 ±	59 56:	358.5	26.12	....	1836.0	Lam 1	
591	Σ 91	Ceti 160	1 2	- 2 22	328.8	3.86	6.7... 7.5	1831.89	Z 3	Yellow: white
592	H 1071	DM (49°) 302	1 16	49 46	124.4	12 ±	9-10...11-12	1828+	H	
593	H 3419	....	1 30	-26 39	325 ±	8 ±	11=11	1835.9	H	
594	β 1292	DM (3°) 161	1 35	3 46	24.2	0.30	8.5... 9.0	1901.39	β 3	
595	A. Clark 13	L 1980	1 59	44 34	75.1	0.34	8.2... 8.3	1876.82	Δ 5	A and B }
					353.5	15 ±	...(12)	1830+	H	AB and C }
596	Hd 43	DM (1°) 213	2 2	1 12	....	....	9.5...	1868.92	Hd	"Triple"
597	β 502	W ^o 0 ^h . 1077	2 13	15 9	306.6	3.49	8.1...11.5	1878.29	β 2	
598	H 2019	....	2 18	52 17	232.5	3½ ±	12-13...13	1830+	H	
599	H 2020	....	2 18	0 4	49.0	5 ±	10 ...11	1830+	H	"Neat"
600	OΞ 515	φ Andromedae	2 32	46 36	309.9	0.53	4.9... 6.5	1851.51	OΞ 4	
601	H IV. 16	31 Cassiopeiae	2 32	68 8	....	25 ±	....	....	H	
602	Hu —	DM (48°) 347	2 45	48 45	141.4	2.82	8.4...13.5	1902.79	Hu 1	(See No. 1289)
603	β 868	O. Arg. W. 1156	2 54	51 24	233.8	9.37	8.0... 9.8	1880.68	Bar. 4	
604	Hu 519	DM (51°) 238	2 54	51 14	137.5	0.35	9.5... 9.5	1902.59	Hu 2	(Bul. L. O. No. 97)
605	Barnard 1	β Andromedae	3 0	34 59	186.1	28.39	2 ...14	1898.05	Bar. 5	A and B }
					268.9	84.92	...12.5	1879.19	β 2	A and C }
					140.7	90.76	...11.7	1879.19	β 2	A and D }
					304.5	126.01	...10.9	1879.54	β 3	A and E }
					87.3	157.66	...11.0	1879.19	β 1	A and F }
					207.7	210.	...11.0	1878.82	β 1	A and G }
					217.5	225.	...11.0	1878.82	β 1	A and H }
					293.7	304.7	...10.2	1879.29	β 3	A and I }
606	Ho 214	L 2057	3 0	37 29	246.3	2.85	8 ...12	1887.36	Ho 2	(A. N. 3977)
607	H 633	Schj. 379	3 2	- 3 32	140 ±	10 ±	9 ...10	1820+	H	(See p. 1057)
608	A. G. 15	DM (39°) 271	3 2	39 32	250.2	2.61	9.0... 9.1	1902.54	β 2	
609	OΞ 23	L 2016	3 2	51 6	192.9	14.65	7.5... 8.0	1847.58	OΞ 4	
610	H 2021	....	3 4	-19 16	....	....	....	1830+	H	
611	Innes 262	O. Arg. S. 655	3 9	-30 16	168.9	0.76	8.1... 9.1	1900.84	I 2	
612	β 303	Piscium 201	3 10	23 9	283.7	0.59	7.1... 7.3	1876.35	Δ 6	
613	H 1072	SD (8°) 201	3 12	- 8 27	0.9	20 ±	9 ...10	1828+	H	
614	β 235	L 2042	3 29	50 22	74.0	0.48	7.0... 7.4	1875.65	Δ 6	A and a }
					76.6	8.50	10.2...12.0	1878.65	β 1	B and b }
					45.0	7.80	...11.2	1847.91	OΞ 2	C and c }
					287.9	43.79	7.0...10.5	1868.75	Δ 2	A and B }
					66.3	60.65	7.0... 8.9	1847.91	OΞ 2	A and C }
615	Hu 602	DM (33°) 182	3 32	33 36	203.0	4.12	9.0...10.2	1902.79	Hu 2	
616	Doo 3	DM (50°) 230	3 44	51 2	350.8	1.08	9.3...10.8	1900.61	Doo 3	(Pub. Flower Obsy. I)
617	β 2	W ^o 0 ^h . 16	3 46	29 14	155.7	0.27	9.3...10.5	1875.71	Δ 3	

Within 121° of the North Pole

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Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
618	H 2023	SD (20°) 210	1 ^h 3 ^m 51 ^s	-20° 52'	34° 5'	2" ±	10 ... 11	1830+	H	
619	β 1162	DM (35°) 215	3 52	35 18	140.3	0.34	9.2... 9.4	1890.68	β 3	
620	Σ 94	DM (15°) 170	3 56	15 57	273.1	19.07	8.7... 8.7	1829.31	Σ 2	
621	(H ^a)	....	4 ±	48 37	127.9	8.7 ±	7-8... 11	1831.78	H 1	
622	A 440	SD (7°) 187	4 8	- 7 26	263.7	0.62	8.9... 11.5	1903.73	A 1	(Bul. L. O. No. 50)
623	Σ 95	SD (5°) 200	4 24	- 5 36	310.9	14.05	8.5... 9.7	1829.87	Σ 3	
624	H ₀ 215	45 Andromedae	4 26	37 5	259.1	Elong.	6 ... 6	1889.96	H ₀ 1	
625	Kr 10	A. G. Hels. 998	4 31	60 33	280.9	3.35	9.5... 10.5	1890.77	β 1	
626	H 634	P 1 ^h . 4	4 36	8 55	295 ±	30 ±	6 ... 13-14	1820+	H	
627	H 2022	....	4 46	70 58	160.4	8 ±	10 ... 10+	1830+	H	
628	Hu 415	SD (17°) 206	4 46	-17 48	5.6	2.05	8.5... 10.3	1901.90	Hu 3	(Bul. L. O. No. 21)
629	Σ 96	P 0 ^h . 312	4 51	64 22	280.9	1.27	7.8... 8.8	1831.91	Σ 3	7.8 wh.
630	β 398	O. Arg. N. 1200	4 52	47 10	50.5	1.85	9.0... 9.1	1877.02	β 3	
631	Doo —	DM (50°) 230	4 54	51 8	350.1	1.1	9 ... 11	....	Doo	
632	H 11	....	5 :	12 13	273 ±	5 ±	11 ... 12	1820+	H	
633	β 236	DM (46°) 285	5 6	46 21	114.3	5.19	8.3... 8.8	1875.81	β 4	
634	H 2024	....	5 6	47 22	115.1	4 ±	10 = 10	1830+	H	"Very neat"
635	Σ 97	DM (50°) 236	5 10	50 53	98.6	4.54	8.5... 8.7	1833.42	Σ 3	Very wh.
636	H 2025	....	5 22	52 32	57.2	8 ±	9-10... 9-10	1830+	H	"Bad measure"
637	β 258	L 2110	5 33	61 4	260.4	0.79	6.2... 9.0	1875.20	β 4	
638	H 2026	DM (4°) 204	5 42	4 15	303.3	10 ±	10 ... 15	1830+	H	"Difficult"
639	H 635	....	5 59	27 47	135 ±	12 ±	10 ... 10+	1820+	H	"Points to a third star, 12 m."
640	Skinner 1	SD (14°) 228	6 8	-14 16	251.6	9.01	9.0...	1900.82	Boe 2	
641	Σ 98	B. A. C. 357	6 14	31 26	247.9	19.34	7.0... 8.0	1832.70	Σ 3	White
642	H 2027	....	6 21	43 48	161.4	18 ±	9-10... 9-10	1830+	H	
643	OΣ 27 rej.	35 Ceti	6 21	1 50	....	1.	6-7... 9	....	OΣ	
644	OΣ 26	L 2147	6 23	29 26	257.2	10.84	6.2... 10.0	1849.51	OΣ 4	6.2 yellow
645	H 1074	....	7 0	62 32	347.0	8 ±	10... 11	1828+	H	
646	β 1100	L 2155	7 9	60 18	43.6	0.48	7.4... 7.4	1889.54	β 3	
647	Σ 99	φ Piscium	7 14	23 57	227.5	7.98	4.7... 10.1	1832.06	Σ 4	Very yel.: blue
648	β 1029	ξ Piscium	7 27	6 56	248.7	0.93	... 11.0	1888.71	β 5	B and C } AB=Σ 100
					63.7	23.46	4.2... 5.3	1832.83	Σ 5	A and B }
649	H 2028	Rad ¹ . 376	7 36	73 23	206.4	40 ±	8-9... 9	1830	H	
650	H 636	W ² 1 ^h . 100	7 43	29 54	290 ±	18 ±	8 ... 13	1820+	H	
651	H 12	....	7 50	12 18	225 ±	10 ±	10 ... 11	1820+	H	
652	OΣ 28	Rad ¹ . 378	7 53	80 13	324.4	0.53	7.0... 8.5	1847.57	OΣ 3	A and B }
					206.4	130.92	... 7	1875.53	β 4	A and C }
653	Σ 101	L 2204	7 54	- 8 15	339.3	21.33	7.5... 9.8	1832.22	Σ 3	7.5 yel.
654	H 2029	....	7 59	19 34	168.6	15 ±	9-10... 9-10	1830+	H	
655	Σ 3, App. I	37 Ceti	8 21	- 8 34	331.4	50.12	5.1... 7.0	1836.00	Σ 4	5.1 yel'sh
656	Hu 803	DM (33°) 193	8 23	33 38	161.5	0.48	8.5... 9.5	1902.75	Hu 1	
657	H ₀ 6	W ² 1 ^h . 119	8 37	37 51	111.3	1.29	8.0... 11	1881.84	H ₀ 2	
658	H 2030	....	8 49	53 7	194.2	25 ±	9 ... 9-10	1830+	H	A and C }
					62.5	12 ±	... 15	1830+	H	A and B }
659	H 1075	DM (67°) 96	8 59	67 32	103.5	8 ±	10-11... 11	1828+	H	Double in A. G.
660	Howe 2	O. Arg. S. 714	9 34	-23 33	141.0	14.70	8.2... 10.0	1877.85	Cin 3	
661	H 2031	....	9 34	43 49	259.0	12 ±	9-10... 14	1830+	H	
662	β 3	DM (55°) 277	9 39	55 52	28.0	4.37	7.8... 10.2	1875.48	β 4	
663	H 1076	W ¹ 1 ^h . 118	9 50	13 6	165.9	4 ±	9 ... 17	1828+	H	A and B }
					258.0	25 ±	... 14	1828+	H	A and C }
664	Hd 44	....	10 :	-15 6	n	5 ±	....	1868.79	Hd	
665	Σ 104	L 2269	10 8	37 50	322.5	13.09	8.0... 10.0	1830.34	Σ 2	8.0 yel. white
667	Σ 106	W ¹ 1 ^h . 124	10 14	- 7 47	308.6	4.63	8.6... 8.7	1831.61	Σ 4	
668	Espin 119	DM (53°) 271	10 18	54 19	115.1	5.1	8.2... 10.5	1902.	Es 1	(Mon. Not. LXIII, 172)
669	Σ 103	SD (2°) 192	10 33	- 2 10	247.8	5.00	7.7... 10.8	1829.88	Σ 4	7.7 white
670	Hu 520	DM (48°) 391	1 10 38	49 7	162.3	0.16	8.2... 8.4	1902.71	Hu 3	(Bul. L. O. No. 27)

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Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
671	H 2033	....	1 ^h 10 ^m 39 ^s	48° 26'	48° 9'	8' ±	10-11...13	1830+	H	"In field with 2 10s"
672	Σ 102	L 2283	10 40	48 23	309.1	0.57	7.0... 8.2	1833.43	Z 4	A and B
					225.7	10.22	... 8.4	1833.89	Z 8	AB and C
					66.9	29.89	... 10.8	1832.45	Z 3	AB and D
673	H 1077	W ² P. 171	10 42	44 0	293.1	25 ±	8 ... 10	1828+	H	(See p. 1058)
674	H 2032	....	10 46	70 41	143.3	10 ±	11 ... 11+	1830+	H	
675	Σ 105	....	10 53	65 32	186.2	2.86	8.5... 9.7	1832.25	Z 3	8.5 white
676	β 503	L 2307	10 54	9 58	136.7	5.44	8.0... 12.0	1878.38	β 3	
677	Hd 45	DM (1°) 241	10 59	1 23	f	20 ±	8 ... 10	1868.92	Hd	
678	Σ 107	DM (20°) 192	11 0	20 27	67.9	20.79	8.3... 10.0	1830.78	Z 3	
679	β 504	L 2318	11 9	1 12	277.3	1.40	7.5... 12.0	1878.35	β 2	
680	H 2034	....	11 13	-19 34	116.4	8 ±	11=11	1830+	H	
681	Howe 3	O. Arg. 8. 730	11 18	-23 52	286.8	7.74	8.0... 9.2	1878.86	Cin 3	
682	Σ 110	W ² P. 154	11 46	-12 58	356.8	7.32	8.0... 8.5	1830.89	Z 3	Very wh.
683	Σ 111	SD (5°) 226	11 55	-4 58	329.7	20.71	8.3... 10.2	1829.88	Z 3	
684	Kr 11	A. G. Hols. 1117	11 56	60 57	239.1	1.77	9.3... 9.3	1890.77	β 1	
685	Σ 108	Andromedae 194	11 59	36 45	61.9	5.91	7.0... 9.8	1830.76	Z 3	Very wh.; ash
686	Hd 47	....	12 :	-23 23:	....	....	....	1868.82	Hd	No description
687	OΞ 29 rej.	L 2332	12 1	39 20	265.4	19.89	7.0... 11.2	1866.68	Δ 3	
688	Σ 109	DM (63°) 172	12 6	63 17	10.2	7.02	9.0... 10.1	1832.72	Z 4	
689	Hu 521	DM (48°) 404	12 14	48 20	98.9	0.25	9.0... 9.0	1902.73	Hu 4	(Bul. L. O. No. 27)
690	H 5453	W ² P. 161	12 29	-1 29	210 ±	30 ±	8 ... 11	1828.0	H	
691	III. 23	φ Cassiopeiae	12 32	57 36	271.8	12-15	....	1783.66	III 1	
692	Barnard 2	DM (3°) 184	12 40	4 1	10.9	1.36	8.3...	1894.55	Bar. 1	
693	Hu 522	DM (51°) 282	12 46	53 2	87.2	3.92	8.0... 14.5	1902.60	Hu 2	(Bul. L. O. No. 27)
694	Hd 48	O. Arg. 8. 751	12 53	-23 27	61.3	10.48	9 ... 10.5	1867.80	Hd 1	
695	H 2035	W ² P. 171	12 59	-8 37	336.7	18 ±	9 ... 11	1830+	H	8 m in W ²
696	See 11	Cord. Z. C. 1 ^h . 333	12 59	-27 8	314.7	1.95	8 ... 8.8	1897.13	See 3	
697	S 397	35 Cassiopeiae	13 4	64 2	352.9	50.36	8 ... 9	1824.84	S 2	
698	Da 8	L 2362	13 7	43 19	139.8	2.68	7.7... 9	1859.74	Da 3	
699	Weisse 3	W ² P. 233	13 18	36 0	182.9	4.10	8.5... 8.9	1902.17	β 2	
700	β 782	L 2357	13 20	55 35	79.2	2.95	8.0... 9.6	1881.57	β 3	
701	H 3425	....	13 24	-28 7	256 ±	2 ±	11=11	1834+	H	
702	Hu 523	DM (50°) 260	13 26	50 58	98.7	0.38	6.5... 10.0	1902.62	Hu 4	(Bul. L. O. No. 27)
703	H 3424	....	13 32	-9 24	86.3	12 ±	10 ... 10½	1836.8	H	(See p. 1058)
704	A 313	SD (6°) 251	13 33	-5 58	207.2	0.19	8.4... 8.8	1902.77	A 3	(Bul. L. O. No. 29)
705	Hu 416	....	13 38	-16 21	77.8	0.65	9.5... 10.0	1901.94	Hu 3	(Bul. L. O. No. 21)
706	Σ 112	O. Arg. N. 1406	13 40	45 42	327.2	23.64	8.5... 9.0	1831.79	Z 2	Vel. wh.
707	Σ 113	42 Ceti	13 41	-1 8	334.3	1.18	6.2... 7.2	1836.91	Z 3	White
708	See 12	O. Arg. 8. 759	13 45	-25 35	205 ±	0.15 ±	8 ... 8	1897.74	See	
709	β 1229	Cord. G. C. 1244	13 46	-35 7	292.4	1.04	8.1... 8.4	1891.84	β 3	
710	A. G. 16	A. G. Lelp. 369	13 54	13 8	190.1	31.46	8.6... 9.7	1893.97	Lp 2	
711	H 2036	Ceti 187	14 4	-16 26	53.0	2 ±	8=8	1830.8	H	
712	A. G. 17	A. G. Lelp. 376	14 29	10 50	98.2	55.28	8.5... 10	1892.88	Lp 1	
713	Σ 93	α Ursae Minoris (Polaris)	14 46	88 40	210.1	18.27	2.0... 9.0	1834.14	Z 7	A and B
					88.0	43.28	... 13	1884.74	β 1	A and C
					172.2	82.68	... 12	1884.74	β 1	A and D
714	β 4	Piscium 255	14 59	10 55	81.0	0.37	7.0... 7.5	1877.17	β 1	
715	Hd 49	....	15 :	-0 55:	170 ±	4 ±	9 ... 10	1880.87	Hd	
716	Σ 114	....	15 4	72 13	356.5	3.68	7.2... 10.4	1832.48	Z 4	7.2 vel.
717	Hu 417	SD (17°) 239	15 39	-17 7	323.4	2.62	9.0... 12.2	1901.94	Hu 3	(Bul. L. O. No. 21)
718	Σ 115	L 2433	15 42	57 31	150.0	0.81	7.3... 7.5	1836.71	Z 3	Vel. wh.
719	Hu 6	SD (10°) 295	15 56	-10 5	240.3	0.61	9.1... 9.3	1899.87	Hu 3	A and B
					237.1	35 ±	8-9... 9	1830+	H	AB and C
720	Jones 1	....	16 :	16 14:	16.0	2.86	9.4... 10.4	1892.89	J 2	
721	See 13	O. Arg. 8. 784	1 16 2	-24 45	306.0	0.24	8 ... 8.5	1897.63	See 1	

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
722	H 2040	....	1 ^h 16 ^m 8 ^s	-26° 23'	359° 0	10' ±	10 ... 11	1830+	H	A and B }
					274.1	14 ±	... 14	1830+	H	A and C }
723	Ku 8	DM (48°) 414	16 11	48 28	330.4	2.23	9.6... 9.8	1901.72	Ku 3	
724	OZ (App) 16	W ^a P. 302	16 18	16 34	138.3	63.41	6.5... 9.1	1875.00	d 4	
725	....	DM (12°) 168	16 21	12 8	31.6	5.11	9.2... 11.3	1903.82	β 2	
726	H 637	W ^a P. 237	16 28	-4 26	155 ±	18 ±	7-8... 15	1820+	H	
727	H 2043	L 2498	16 41	-19 42	77.9	6 ±	7-8... 10	1830+	H	"Very fine"
728	Lv 1	DM (0°) 226	16 47	1 7	171.4	0.86	9.5... 9.6	1886.75	LM 2	
729	H 2041	....	17 2	44 45	255.5	8 ±	10 ... 11	1830+	H	
730	H 2042	....	17 13	55 5	283.9	18 ±	9-10... 10	1830+	H	
731	H 2038	....	17 24	77 29	347.7	20 ±	10 ... 10	1830+	H	
732	β 1101	ψ Cassiopeiae	17 27	67 30	41.2	3.19	4.5... 13.5	1889.52	β 4	A and B }
					101.8	32.22	... 8.9	1831.04	Σ 5	A and C }
					253.3	3.01	... 9.5	1831.04	Σ 4	C and D }
733	Ho 309	W ^a P. 334	17 34	19 13	205.7	2.60	7.7... 12	1893.84	Ho 1	A and B }
					97.1	43.62	... 12	1893.84	Ho 1	A and C }
734	OZ (App.) 17	W ^a P. 329	17 37	38 24	103.4	37.49	7.5... 9.0	1875.67	d 3	A and B }
					336.2	147.37	....	1875.67	d 3	A and C }
					295.4	50.24	8.0... 9.0	1875.67	d 3	C and D }
735	H 1078	DM (26°) 231	17 45	26 57	95.1	11 ±	9 ... 12	1828+	H	A and B }
					95.1	25 ±	... 10	1828+	H	A and C }
736	H 3433	....	17 48	-10 33	307.0	12 ±	10 ... 11	1836+	H	
737	H 13	DM (12°) 172	17 52	12 17	310 ±	10-12	8 ... 13	1820+	H	
738	Se 1	L 2548	17 53	-24 59	83.5	2.93	7 ... 10	1855.99	Se 1	
739	H 2044	....	18 ±	4 23	....	15 ±	10=10	1830+	H	"R. A. very uncertain"
740	H 1079	44 Ceti	18 0	-8 38	300.5	60 ±	6 ... 12	1828+	H	
741	β 505	θ Ceti	18 1	-8 48	60.5	58.8	3 ... 14	1877.70	β 1	
742	Σ 119	DM (4°) 244	18 16	4 34	151.2	13.84	8.8... 11.0	1832.18	Σ 3	
743	β 1163	Ceti 199	18 18	-7 32	192.3	0.19	6.0... 6.2	1890.68	β 3	
744	H 2037	....	18 35	83 42	270.3	8 ±	10 ... 11	1830+	H	
745	Hu 418	SD (17°) 252	18 40	-16 52	100.6	4.37	9.2... 9.2	1901.95	Hu 3	(Bul. L. O. No. 21)
746	Ho 310	DM (27°) 227	18 50	27 56	353.2	1.26	9 ... 9.2	1891.89	Ho 3	(A. N. 333). (See p. 1058)
747	OZ 30	L 2561	18 50	30 55	235.7	4.62	7.8... 11.4	1855.74	OZ 4	A and B }
					105.0	56.98	... 7.5	1862.01	OZ 4	A and C }
748	Hd 50	DM (2°) 205	18 53	2 25	sp	25 ±	8.5... 12	1868.92	Hd	
749	Σ 120	Ceti 202	18 58	-6 34	280.7	7.06	7.0... 10.8	1831.59	Σ 3	7.0 very white
750	Hd 51	....	19 :	2 19:	np	....	11 ... 11	1868.92	Hd	"np DM (2°) 207"
751	H 638	....	19 5	-4 49	273.0	2-3	12 ... 12+	1820+	H	
752	H 2045	O. Arg. W. 1504	19 25	73 35	85.6	20 ±	8 ... 14	1830+	H	(See p. 1058)
753	Σ 121	DM (63°) 187	19 29	63 51	279.4	13.76	8.7... 9.7	1831.80	Σ 2	
754	β 1102	O. Arg. W. 1510	19 39	59 40	336.3	0.84	10.3... 10.3	1889.58	β 3	B and C }
					265.4	60.29	8.5...	1889.58	β 3	A and BC }
755	Hu 525	DM (48°) 436	20 15	48 37	322.0	1.10	8.2... 11.2	1902.63	Hu 4	(Bul. L. O. No. 27)
756	Σ 124	W ^a P. 320	20 22	-14 31	232.2	7.08	8.2... 10.2	1831.59	Σ 3	8.2 yellowish
757	Ho 7	W ^a P. 406	20 28	40 29	158.9	13.47	6 ... 13	1885.84	Ho 2	
758	β 999	ω Andromedae	20 29	44 47	91.9	2.29	5.3... 12	1881.84	β 4	A and B }
					110.3	134.26	....	1881.84	β 2	A and C }
					140.1	5.04	10.7... 10.7	1881.84	β 3	C and D }
759	Σ 118	Redhill 203	20 38	82 44	62.0	10.75	8.5... 9.4	1832.49	Σ 4	
760	Σ 122	L 2632	20 41	2 55	332.8	5.79	7.0... 9.0	1833.56	Σ 3	Very wh.: blue
761	Σ 125	DM (-0°) 229	20 50	-0 46	33.3	16.91	7.9... 10.3	1833.23	Σ 6	7.9 yellow.
762	Σ 123 rej.	DM (52°) 347	20 53	52 51	164.0	15 ±	9-10=9-10	1830+	H	A and B }
					75.0	10 ±	10-11... 12	1830+	H	C and D }
763	A. Clark 14	L 2634	21 15	42 10	95.6	0.78	8.0... 9.0	1859.81	Da 2	
764	Ho 8	....	21 23	34 4	246.0	3.26	9.7... 10.3	1883.18	Ho 3	(A. N. 2778)
765	β 1164	95 Piscium	1 21 26	4 44	168.4	0.39	6.7... 7.0	1890.82	β 3	(See p. 1058)

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
766	H 3436	O. Arg. S. 843	1 ^h 21 ^m 30 ^s	-30° 52'	126° 3	12" ±	7 ... 10	1834+	H	
767	H 1080	....	21 33	70 17	311.0	5 ±	11 ... 14	1828+	H	"Points to a star 9 m."
768	β 399	Ceti 211	21 48	-11 31	302.3	1.56	6.3...10.0	1876.90	d 3	
769	A. G. 18	A. G. Lep. 417	21 55	13 51	40.9	73.97	8.6...10	1892.88	Lp 1	
770	S 398	P 1 ^h , 85-7	22 5	7 20	98.3	69.75	7 ... 9	1825.00	S 2	
771	Hu 7	SD (10°) 312	22 10	-9 54	212.0	1.63	9.0... 9.8	1899.99	Hu 3	(A. J. 480)
772	H 3437	L 2690	22 16	-17 53	245.2	13.4	7 ... 9½	1836.3	H	
773	Ho 9	DM (20°) 228	22 34	21 6	92.8	2.77	9 ... 10	1883.92	Ho 2	
774	Σ 126 rej.	W ² 1 ^h . 458	22 41	24 24	214.6	40 ±	9 ... 10	1831+	H	A and B }
					238.6	15 ±	... 12	1831+	H	A and C }
775	H 1081	....	23 8	40 54	315.2	6 ±	10 = 10	1828+	H	"Points to a third star 10 m." (See p. 1058)
776	A. G. 19	A. G. Lep. 424	23 30	13 35	321.4	102.27	8.8... 8.7	1892.88	Lp 1	
777	Σ 128 rej.	DM (60°) 255	23 45	60 25	....	Cl. IV	8 ... 10	....	....
778	See 14	48 Ceti	23 51	-22 15	249.6	22.39	6 ... 12.8	1897.75	See 1	
779	Σ 129	W ¹ 1 ^h . 378	23 55	12 2	283.2	8.44	8.5... 9.0	1829.32	Σ 2	White
780	Espin 4	DM (42°) 313	23 59	43 0	104.9	3.47	7.7... 9.7	1892.98	Es 2	(A. N. 3717)
781	H 2048	DM (72°) 77	24 23	72 14	313.5	15 ±	9-10... 13	1830+	H	(See p. 1058)
782	H 2046	....	24 28:	82 52	283.4	4 ±	12 ... 12-13	1830+	H	
783	H 2049	DM (72°) 78	24 31	72 15	166.7	3 ±	9-10... 12	1830+	H	"Neat"
784	H 1082	....	24 37	62 34	240.2	6 ±	10 ... 11	1828+	H	
785	β 1230	Lac. 427	24 43	-26 50	224.5	2.62	7.0... 12.5	1891.84	β 4	
786	A 441	SD (8°) 260	24 46	-8 41	267.7	1.34	7.8... 10.5	1903.71	A 3	(Bul. L. O. No. 50)
787	Σ 127	....	24 59	78 32	186.0	24.62	8.0... 9.0	1831.72	Σ 2	White
788	H 639	....	24 59	-4 15	85 ±	1-2	10 ... 10+	1820+	H	
789	β 1165	W ² 1 ^h . 510	25 4	40 27	62.4	1.82	8.4... 12.1	1890.83	β 4	
790	β 506	η Piscium	25 4	14 44	12.9	1.02	4 ... 11.0	1878.73	β 3	
791	H 2050	....	25 10	55 51	82.6	10 ±	10 ... 11-12	1830+	H	
792	Σ 131	DM (59°) 271	25 17	60 4	142.4	13.64	6.0... 9.2	1830.27	Σ 3	6.0 yel. white
793	H 2051	O. Arg. N. 1640	25 31	53 3	71.6	15 ±	8 ... 11	1830+	H	8.8 m in DM
794	Σ 132	DM (16°) 167	25 35	16 20	5.4	24.25	7.0... 10.0	1829.87	Σ 2	7.0 yel.
795	A. G. 20	A. G. Lep. 444	25 43	11 40	72.5	3.08	8.7... 9.0	1895.06	Lp 1	
796	H 2052	L 2791	25 47	-19 38	121.3	80 ±	7 = 7	1830+	H	
797	Σ 130	DM (69°) 105	25 50	69 17	187.7	7.49	8.0... 9.0	1832.08	Σ 3	Yel'sh: ash
798	Σ 133	Andromedae 219	25 55	35 14	179.1	2.99	7.0... 10.5	1833.04	Σ 3	A and B }
					199.5	29.08	....	1833.04	Σ 3	A and C }
					346.1	4.76	10.8... 10.8	1833.04	Σ 3	C and D }
799	H 3442	....	26 38	-26 3	208.3	30 ±	6½ ... 10	1836.7	H	
800	Arg. 4	O. Arg. S. 907	26 42	-27 11	71.8	18.08	8.0... 9.0	1877.83	Cin 2	
801	H 2047	DM (55°) 356	26 44	55 15	33.0	8 ±	11 = 11	1830+	H	
802	Arg. 5	O. Arg. N. 1665	26 48	45 22	319.5	9.97	8.6... 9.0	1902.17	β 2	
803	H 15	....	26 53:	11 25:	60 ±	12 ±	10 ... 13	1820+	H	
804	OΣ 31	B. A. C. 464	27 1	7 36	85.0	4.04	6.9... 11.0	1850.02	OΣ 4	6.3 yel.
805	Σ 134 rej.	....	27 1:	47 26:	....	Cl. III	8-9... 10	....	Σ	From Cat. Nov.
806	Σ 135	DM (35°) 296	27 18	35 34	259.0	7.92	8.0... 10.7	1830.76	Σ 3	8.0 yel. (See p. 1058)
807	H 640	SD (4°) 230	27 27	-4 8	295 ±	4 ±	11 ... 11	1820+	H	"Beautiful"
808	H 1083	....	27 32	60 40	36.2	....	11 ... 14	1820+	H	
809	A 112	A. G. Harv. 704	27 42	51 13	332.3	0.90	9.1... 10.0	1900.92	A 3	
810	Howe 4	W ¹ 1 ^h . 457	27 47	-12 50	328.3	0.84	8.1... 8.2	1877.83	Cin 2	
811	Howe 5	....	27 52	-12 25	31.5	13.00	8.5... 8.7	1877.86	Cin 2	
812	A 314	SD (9°) 301	28 20	-9 4	359.9	0.33	8.3... 8.6	1902.77	A 3	(Bul. L. O. No. 29)
813	Σ 136	100 Piscium	28 29	11 57	78.8	16.03	6.9... 8.0	1831.47	Σ 5	White
814	H 1084	....	28 36	66 37	357.0	16 ±	9 ... 11	1828+	H	
815	H 2058	....	28 39	-21 45	95.0	4 ±	11 ... 12	1830+	H	
816	Σ 137	L 2869	28 42	30 40	86.6	3.37	8.2... 9.0	1833.13	Σ 4	White
817	H 2053	Rad ¹ . 468	28 50	71 58	20.9	28 ±	8 ... 11	1830+	H	(See p. 1058)
818	H 2057	DM (45°) 387	1 28 53	45 45	45.0	12 ±	9-10... 11	1830+	H	

Within 121° of the North Pole

1^h

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
819	H 2054	40 Cassiopeiae	1 ^h 28 ^m 57 ^s	72° 26'	241° 5	45' ±	6-7...11-12	1830+	H	
820	H 2060	....	28 59	-24 44	90.1	25 ±	10 ...12	1830+	H	
821	A. G. 21	A. G. Leip. 456	29 0	12 16	98.8	7.97	9.0...10	1892.88	Lp 1	
822	Hu 527	DM (50°) 312	29 5	50 13	307.9	2.03	9.1...13.5	1902.73	Hu 2	(Bul. L. O. No. 27)
823	Hn 6	W ² P ² . 612	29 6	32 26	108.3	2.14	9.1... 9.1	1881.58	β 3	
824	β 507	DM (26°) 264	29 18	26 9	155.9	2.16	7.8...10.6	1879.91	β 3	
825	β 1000	O. Arg. S. 935	29 27	-30 32	336.4	1.80	7.6...12.0	1881.84	β 2	
826	OΣ 33	Rad ² . 476	29 31	58 1	74.4	24.26	7.2... 8.3	1846.80	OΣ 3	White: yellow
827	H 2059	DM (54°) 329	29 35	54 58	29.1	12 ±	9 ...12	1830+	H	
828	Hu 419	SD (17°) 284	29 38	-17 25	63.0	0.34	9.0... 9.6	1901.94	Hu 2	(Bul. L. O. No. 27)
829	H 2056	Rad ² . 472	29 45	77 21	213.4	22 ±	7-8...13	1830+	H	7.1 m. in Rad.
830	Σ 138	P. P ² . 123	29 46	7 2	20.0	1.47	7.3... 7.3	1830.23	Z 3	A and B } AB <i>yel.</i>
					62.8	22.25	(14-15)	1875.96	Hl 2	AB and C } <i>wh.</i>
831	H 2061	L 2942	30 2	-18 8	326.7	30 ±	7 ...10	1830+	H	
832	β 869	L 2935	30 3	3 42	198.2	5.13	8.0...11.7	1880.06	β 5	
833	H 1085	DM (62°) 284	30 25	63 6	119.1	3½ ±	9-10=9.10	1828+	H	"Fine"
834	H 16	....	30 30:	11 12:	330 ±	20 ±	10=10	1820+	H	
835	H 2055	DM (72°) 89	30 34	72 26	315 ±	10 ±	10 ...12	1830+	H	
836	H 3447	B. A. C. 489	30 35	-30 31	74 ±	3 ±	6½... 8	1835.	H	"Fine double star"
837	OΣ 32	Rad ² . 467	30 55	84 37	134.5	9.51	7.5...12.0	1847.22	OΣ 1	
838	Espin 46	DM (54°) 340	31 2	54 37	36.8	2.9	9.0...10.0	1901.	Es	} (A. N. 3784)
					288.1	53.0	... 9.5	1901.	Es	
839	OΣ (App.) 20	W ² P ² . 661	31 3	21 57	313.4	95.94	7.5... 8.5	1875.25	Δ 3	
840	H 2062	....	31 6	57 10	78.1	4 ±	11=11	1830+	H	
841	Hn 528	DM (51°) 350	31 8	52 0	289.8	1.10	8.5...13.0	1902.74	Hu 3	(Bul. L. O. No. 27)
842	H 2063	....	31 43	45 23	226.0	12 ±	9 ...12	1830+	H	
843	Σ 139	DM (52°) 397	31 44	52 21	225.2	10.27	8.8... 9.0	1830.24	Z 3	White
844	β 1166	L 2980	31 45	38 3	345.8	2.63	8.4...11.5	1890.82	β 3	A and B }
					8.9	24.82	...13.5	1898.70	β 1	A and C }
845	Σ 140	DM (40°) 340	31 56	40 27	172.3	3.35	8.5... 9.2	1833.13	Z 3	White
846	Hu 529	DM (49°) 427	32 7	49 53	91.9	0.26	8.8... 9.5	1902.60	Hu 3	(Bul. L. O. No. 27)
847	H 1087	DM (38°) 313	32 16	38 24	76.5	7 ±	10 ...11	1828+	H	Dup. in A. G.
848	β 508	DM (26°) 276	32 27	26 20	71.1	1.02	9.0... 9.5	1877.72	β 1	(See p. 1059)
849	H 1086	....	32 34	68 30	297.3	5 ±	11 ...12	1828+	H	
850	H 2064	O. Arg. W. 1797	32 35	54 14	324.6	12 ±	9 ...14	1830+	H	7m. in O. Arg.; 8.5m. in D.M. (See p. 1059)
851	β 783	O. Arg. W. 1777	32 39	73 56	318.0	0.95	8.5... 8.9	1881.71	β 4	
852	Hu 8	SD (11°) 313	32 42	-11 18	28.9	1.27	8.5...12.0	1899.92	Hu 2	(A. J. 480)
853	H 17	DM (11°) 209	32 46	11 35	275 ±	5-7	9 ...10	1820+	H	
854	β 5	103 Piscium	32 47	16 1	289.4	1.34	7.0... 9.0	1875.52	Δ 4	
855	Hu 530	DM (51°) 364	32 55	51 55	225.9	2.64	8.4...13.0	1902.74	Hu 3	(Bul. L. O. No. 27)
856	Σ 141	L 3025	33 2	38 22	300.6	1.67	8.0... 8.5	1833.16	Z 3	Yel'sh
857	β 1167	W ² P ² . 716	33 16	38 7	56.2	1.25	9.3...10.7	1890.82	β 3	
858	Kr 12	A. G. Hale. 1455	33 19	62 4	303.3	0.63	7.7... 7.7	1890.75	β 2	
859	Hu 531	DM (49°) 435	33 24	49 16	3.5	0.37	9.0... 9.5	1902.60	Hu 3	A and B } (Bul. L. O. No. 27)
					280.5	5.95	... 9.5	1902.52	Hu 1	AB and C }
860	Σ 142	DM (14°) 253	33 28	14 39	313.1	25.29	8.2... 8.4	1836.90	Z 3	
861	....	τ Andromedae	33 30	39 58	328.4	52.35	5.0...10.2	1880.68	β 2	
862	Σ 143	DM (33°) 263	33 32	33 44	319.8	30.31	7.7... 9.0	1831.76	Z 2	Yel.: wh.
863	H 641	W ² P ² . 564	33 33	- 3 8	132 ±	6 ±	9 ...11	1820+	H	
864	H 2067	L 3056	33 33	-18 24	92.0	5 ±	7 ...11	1830+	H	
865	H 2066	....	34 6	55 11	65.2	12 ±	11=11	1830+	H	
866	Σ 144	DM (-0°) 259	34 15	- 0 40	292.2	15.70	8.5...11.0	1830.16	Z 4	Yel.: wh.
867	Doo 4	....	34 16	57 52	119.4	1.91	10.4...10.9	1900.70	Doo 2	
868	H 1088	Bradley 222	34 20	58 1	164.5	15 ±	7 ...11	1828+	H	
869	H 2065	....	34 33	76 45	163.8	15 ±	10 ...11	1830+	H	
870	Σ 145	P. P ² . 145	1 34 36	25 8	31.6	11.28	6.0...10.6	1832.84	Z 4	6.0 <i>yel.</i>

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
871	Σ 146	DM (9°) 204	1 ^h 34 ^m 57 ^s	9° 30'	306° 5	23.81	8.3... 8.3	1829.52	Σ 3	White
872	β 1103	44 Cassiopeiae	35 13	59 57	3.8	1.73	6.2... 12.5	1889.54	β 3	
873	Hu 9	SD (12°) 313	35 25	-12 45	293.4	4.62	9.0... 9.1	1899.91	Hu 3	(A. J. 480)
874	See 15	Cord. G. C. 1639	35 28	-22 20	311.1	2.74	8.1... 9.7	1897.73	See 1	
875	H 2072	O. Arg. S. 1008	35 45	-18 37	278.2	3±	9 ... 10	1828+	H	
876	H 642	DM (1°) 305	35 47	1 18	310±	20±	9 ... 12	1820+	H	
877	Σ 147	χ ¹ Ceti	35 48	-11 55	88.2	4.01	5.3... 6.9	1831.90	Σ 5	Wh.: yel, wh.
878	H 2069	....	35 49	52 41	241.4	20±	9-0... 10	1830+	H	
879	H 2073	....	35 50	- 8 50	47.4	6±	11-12... 12	1830+	H	
880	Hu 420	SD (15°) 300	35 51	-14 56	236.4	2.50	9.0... 9.8	1901.95	Hu 3	(Bul. L. O. No. 21)
881	H 2076	....	35 53	-25 5	105.0	8±	10-11=10-11	1830+	H	
882	H 2071	107 Piscium	35 58	19 41	222.5	38.48	... 12	1879.94	β 1	A and B }
					316.5	60±	5-6... 13	1830+	H	A and C }
883	H 2068	....	36 0	71 32	148.4	4±	11-12... 12	1830+	H	"6 stars of 9 m. in the field"
884	OΣ 35	L 3101	36 0	55 16	115.4	9.84	6.8... 10.0	1847.54	OΣ 3	6.8 yel.
885	β 1104	Groom. 370	36 2	52 17	197.2	2.86	7.2... 11.8	1889.60	β 3	
886	H 1089	O. Arg. N. 1882	36 20	71 6	89.0	15±	9 ... 10-11	1828+	H	
887	β 870	B. A. C. 525	36 23	56 56	68.9	1.02	6.9... 8.3	1880.81	β 3	
888	A 1	SD (7°) 282	36 24	- 7 22	165.2	0.31	8.2... 8.7	1899.78	A 3	(A. N. 3635)
889	H 1090	....	36 35	71 7	157.5	6±	11=11	1828+	H	
890	Hu 10	SD (13°) 312	36 37	-13 56	304.4	0.76	8.5... 9.0	1899.91	Hu 3	(A. J. 480)
891	H 2074	....	36 37	55 10	122.0	3±	13=13	1830+	H	
892	OΣ 34	Rad ^r . 505	36 43	80 17	113.7	0.60	7.3... 7.5	1847.57	OΣ 3	
893	Δ 3	DM (56°) 337	37 7	56 35	332.9	2.74	9.4... 10.9	1877.47	Δ 4	
894	β 453	DM (56°) 338	37 7	56 31	224.1	0.91	8.8... 9.1	1880.81	β 3	
895	A. G. 22	A. G. Lep. 513	37 14	12 17	....	....	8.9...	....	....
896	Hu 421	SD (16°) 292	37 16	-16 20	261.5	2.70	9.0... 11.3	1901.90	Hu 3	(Bul. L. O. No. 21)
897	Σ 150	SD (7°) 284	37 22	- 7 41	195.5	36.19	7.2... 7.8	1831.88	Σ 3	Very wh.
898	Σ 149	L 3160	37 24	39 21	118.2	1.35	8.2... 9.7	1833.18	Σ 3	8.2 yel ^{sh}
899	H 18	....	37 24:	11 30:	220±	25±	9 ... 10	1820+	H	Probably DM (11") 225
900	β 509	L 3170	37 25	8 58	93.5	0.71	8.4... 8.7	1878.42	β 3	
901	H 3455	SD (18°) 291	37 31	-18 13	....	Cl. III	8½... 8½	1834+	H	
902	H 3456	L 3184	37 33	-22 13	344.4	15±	8 ... 10	1835.	H	
903	Σ 148	....	37 36	63 13	130.4	1.36	8.4... 9.0	1832.62	Σ 4	
904	H 2075	....	37 38	74 53	229.8	20±	9-10... 10	1830+	H	A and B }
					195.0	18±	... 14	1830+	H	A and C }
905	Σ 154	W ² 1 ^h . 834	37 48	43 6	126.7	5.17	8.0... 8.2	1833.14	Σ 3	Very wh.
906	Σ 151 rej.	....	37 49:	60 50:	....	Cl. II	8-9... 9	....	Σ	From Cat. Nov.
907	Σ 155	W ¹ 1 ^h . 667	37 54	8 53	332.8	4.60	7.5... 7.9	1830.60	Σ 4	White
908	Σ 152 rej.	DM (60°) 336	37 55	60 50	....	Cl. II	8 ... 10	....	Σ	From Cat. Nov.
909	Dunér 1	....	38 :	60 35	39.5	6.71	9.5... 10	1875.59	Du 4	
910	H 2077	....	38 5	77 26	275.0	12±	10-11=10-11	1830+	H	A and B }
					195.5	10±	... 15	1830+	H	A and C }
911	Σ 153	DM (60°) 343	38 20	60 40	69.2	7.45	8.5... 9.7	1831.77	Σ 3	
912	H 2079	DM (52°) 434	38 33	52 50	300±	8±	9-10... 15	1830+	H	
913	β 6	L 3205	38 43	- 7 22	167.1	2.58	6.4... 9.2	1875.55	Δ 4	
914	Hu 11	SD (12°) 324	38 45	-12 16	203.4	3.10	8.5... 12.2	1899.92	Hu 2	(A. J. 480)
915	Hu 532	DM (49°) 459	39 0	49 48	128.4	0.24	9.0... 10.0	1902.54	Hu 2	(Bul. L. O. No. 27)
916	H 2080	....	39 10	52 52	121.8	10±	10-11... 11	1830+	H	
917	Hu 804	DM (33°) 295	39 19	33 7	338.7	0.25	8.2... 10.0	1902.75	Hu 1	
918	Hu 533	DM (50°) 352	39 23	50 31	184.2	2.02	9.0... 10.0	1902.74	Hu 2	(Bul. L. O. No. 27)
919	H 643	....	39 24	- 3 0	225±	7±	10 ... 11	1820+	H	
920	A. G. 23	A. G. Lep. 529	39 25	14 24	45.4	29.18	9.2... 9.0	1892.89	Lp 1	
921	H 3459	SD (20°) 331	39 25	-20 39	270.0	18±	9½... 10	1835.	H	
922	β 784	DM (22°) 269	39 34	22 18	46.7	1.86	8.9... 9.5	1881.71	β 3	
923	β 736	DM (38°) 347	39 38	38 20	209.0	0.86	8.5... 10.3	1879.94	β 3	A and B }
					115.5	12.26	... 9.0	1832.93	Σ 3	A and C }

Within 121° of the North Pole

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Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
924	H 2081	....	1 ^h 39 ^m 45 ^s	-14° 45'	141° 0	12' ±	10=10	1830+	H	
925	Σ 156	O. Arg. W. 1981	39 50	59 46	96.1	5.10	8.3...11.0	1832.52	Σ 3	8.3 <i>yel.</i>
926	Σ 158	DM (32°) 318	39 50	32 34	246.2	2.13	8.3... 8.8	1833.11	Σ 3	<i>White</i>
927	H ₀ 496	W ^r 1 ^h . 885	39 53	29 1	186.7	14.96	8.5...12.5	1894.82	H ₀ 1	(A. N. 3557)
928	H 3461	<i>Scultoris</i>	40 1	-25 39	72.5	3 ±	6 ...10	1835	H	"White: dull red"
929	Σ 160	SD (3°) 253	40 17	- 3 0	270.1	9.51	9.1... 9.9	1830.66	Σ 5	
930	β 1312	DM (53°) 388	40 18	53 17	288.4	4.99	8.0...12.2	1902.78	β 3	
931	H 1091	O. Arg. W. 1988	40 24	61 14	150.1	25 ±	8-9=8-9	1828+	H	B=O. Arg. N. 1986
932	H _u 534	DM (49°) 462	40 28	49 45	68.2	0.71	9.0...10.0	1902.64	H _u 2	(Bul. L. O. No. 97)
933	H 1092	....	40 54	68 54	254.8	4 ±	13 ...14	1828+	H	
934	Σ 159 <i>rej.</i>	DM (16°) 202	40 54	16 46	296.6	25 ±	9-10...12	1830+	H	
935	Σ 161 <i>rej.</i>	DM (27°) 282	40 55	27 53	....	Cl. IV	8 ... 9	....	Σ	
936	H 2064	DM (3°) 242	41 9	3 18	320 ±	15 ±	9 ...13	1830+	H	"P est. from diagram"
937	H 2086	SD (21°) 296	41 23	-21 21	110.4	7 ±	10 ...11	1830+	H	} 9.5 in SD
					166.6	12 ±	...13	1830+	H	
					128.3	15 ±	9-10...10	1830+	H	
938	H 2082	....	41 32	56 9	98.4	1.96	8.7... 9.2	1892.98	Es 2	(See No. 18865)
939	Espin 5	DM (47°) 505	41 35	47 50	359.9	8.02	8.5...10.2	1829.88	Σ 3	(A. N. 3717)
940	Σ 166	W ^r 1 ^h . 720	41 48	- 3 56	224.5	1.90	7.0... 7.5	1836.75	Σ 2	A and B } AB very A and C } white
941	Σ 162	B. A. C. 547	41 48	47 18	179.5	20.36	... 9.3	1836.75	Σ 2	
					352.6	1.88	8.4... 9.0	1879.88	β 4	
942	β 871	L 3289	41 49	- 1 33	....	Cl. IV	8 ...10	....	Σ	
943	Σ 165 <i>rej.</i>	DM (19°) 287	41 56	19 42	61.9	8 ±	10 ...11	1830+	H	Another obs.
944	H 2085	DM (52°) 444	41 56	52 12	146.2	5.73	8.0... 8.5	1879.78	Cin 1	60" ± 4" ±
945	Egbert 1	....	42 :	45 29	337.4	1.59	8.0...12	1878.06	β 1	A and B } A and C }
946	β 510	DM (15°) 267	42 4	15 43	322.7	51.27	... 8.0	1783.04	H ₁ 1	
					229.6	15 ±	10-11...11-12	1830+	H	
947	H 2067	....	42 8	-13 40	353.6	15.84	9.2... 9.5	1903.62	β 2	
948	....	DM (45°) 454	42 11	45 42	95.8	9.53	8.7... 9.0	1832.60	Σ 3	<i>White</i>
949	Σ 164	W ^r 1 ^h . 943	42 12	33 28	277 ±	15 ±	8 ...14	1820+	H	
950	H 644	W ^r 1 ^h . 736	42 22	7 5	33.6	34.93	6.2... 8.2	1831.75	Σ 4	<i>Red-golden: blue</i>
951	Σ 163	O. Arg. W. 2027	42 35	64 16	....	....	....	1869.08	Hd	No description
952	Hd 52	....	42 40:	-11 27:	157.6	27.89	8.5... 8.5	1829.91	Σ 2	A and B } (AB B and C } =Σ 172)
953	β 511	SD (2°) 299	42 40	- 2 1	316.0	3.69	...12.5	1878.20	β 3	
					80.0	3 ±	9-10...13	1830+	H	
954	H 2083	....	42 48	74 37	26.9	10.92	10 ...11	1867.82	Hd 1	
955	Hd 53	....	42 50:	- 1 12:	27.8	0.59	8.5... 8.5	1890.90	β 3	
956	β 1016	DM (32°) 324	42 52	32 29	2.7	1.32	8.0...11.5	1881.85	β 3	
957	β 1001	O. Arg. S. 1090	43 5	-18 59	219.9	1.61	8.5...11.1	1833.00	Σ 4	
958	Σ 168	DM (66°) 167	43 6	66 9	52 ±	25 ±	8 ...10	1835	H	9 m. in O. Arg.
959	H 3466	O. Arg. S. 1095	43 13	-29 52	....	Cl. IV	8-9...11	....	....
960	Σ 167 <i>rej.</i>	DM (65°) 209	43 12	65 51	194.5	17.49	9.0... 9.2	1830.00	Σ 2	
961	Σ 172	DM (26°) 305	43 16	26 30	158.1	0.68	8.0... 9.8	1903.91	β 3	
962	β 1313	DM (26°) 307	43 26	26 26	170.5	2.57	6.2... 7.4	1830.73	Σ 4	<i>Golden: very blue</i>
963	Σ 174	<i>Arietis</i>	43 31	21 41	199.7	15 ±	9 ...10-11	1828+	H	
964	Σ 173 <i>rej.</i>	L 3344	43 38	13 45	22.0	5 ±	10=10	1828+	H	"Neat"
965	H 1093	....	43 42	58 2	203.0	0.32	8.0... 8.3	1890.71	β 3	
966	β 1168	W ^r 1 ^h . 758	43 48	-10 58	25.7	0.29	8.5... 8.8	1901.90	Hu 3	(Bul. L. O. No. 91)
967	H _u 422	SD (14°) 337	43 50	-14 30	132.3	5.11	8.5...11.0	1832.25	Σ 3	8.5 <i>yel'sh</i>
968	Σ 169	O. Arg. W. 2045	43 54	69 27	307.8	20 ±	9 ...9-10	1830+	H	
969	H 2089	....	44 5	42 53	344.0	6 ±	10-11...12	1830+	H	
970	H 2088	....	44 8	51 4	206.4	2.20	8.5...12.3	1890.85	β 3	
971	β 1169	DM (51°) 420	44 17	51 46	170.7	15.93	8.6... 8.8	1903.38	β 3	
972	A. G. 24	DM (45°) 464	44 19	45 13	246.8	3.17	6.7... 7.5	1830.86	Σ 5	<i>Yel. wh.: bl. wh.</i>
973	Σ 170	O. Arg. W. 2047	44 24	75 38	327.9	10.43	8.2... 8.5	1830.12	Σ 4	<i>Very wh.</i>
974	Σ 175	DM (20°) 296	44 25	20 31	117.3	4.51	9 ...10.5	1867.96	Hd 1	A and B } A and C }
975	Hd 54	DM (1°) 335	1 44 26	1 55	213.4	14.26	...12	1867.96	Hd 1	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
976	Σ 176 <i>rej.</i>	....	1 ^h 44 ^m 32 ^s ;	28° 5' ;	....	Cl. IV	8 ... 9-10	....	....	From <i>Cat. Nov.</i>
977	H 311	W ² 1 ^h . 1000	44 32	24 3	174° 2	0° 36	7.0... 7.2	1890.50	Ho 2	
978	Arg. 6	O. Arg. N. 2065	44 39	56 42	130±	20±	7-8... 9	....	β	
979	H 3470	Cord. DM (23°) 682	45 12	-23 14	298.9	8±	10 ... 10½	1835.	H	(See p. 1059)
980	Σ 177	W ² 1 ^h . 783	45 13	4 21	121.9	34.27	8.5... 9.0	1829.87	Σ 2	
981	Σ 178	P 1 ^h . 191	45 40	10 13	193.3	3.08	7.8... 7.8	1828.96	Σ 3	White
982	Hu 805	DM (33°) 311	45 40	33 19	162.1	2.85	8.8... 11.0	1902.75	Hu 1	
983	H 645	W ² 1 ^h . 1023	45 43	30 53	115±	5±	8 ... 11	1820+	H	
984	H 2092	....	45 50	- 8 26	74.0	8±	11=11	1830+	H	"Very neat"
985	Hu 12	SD (10°) 390	45 51	-10 31	353.4	1.01	9.0... 11.2	1899.84	Hu 2	(A. J. 480)
986	Σ 3113	W ² 1 ^h . 1024	46 4	44 3	270.5	1.49	8.7... 8.7	1833.23	Σ 3	
987	O Σ 36 <i>rej.</i>	....	46 4	4 4	....	15.	7 ... 10	....	O Σ	
988	Σ 179	Andromedae 241	46 6	36 44	160.4	3.46	6.7... 7.7	1831.04	Σ 4	White
989	H 1094	55 Andromedae	46 6	40 8	356.5	20+	6.7... 14	1828+	H	
990	β 259	W ² 1 ^h . 805	46 20	-10 19	236.0	4.51	8.7... 11.2	1875.82	Δ 3	
991	H 2093	....	46 42	51 54	8±	8±	10 ... 11	1830+	H	
992	β 260	L 3444	46 45	14 51	228.1	0.56	8.3... 9.0	1875.81	Δ 3	
993	Σ 180	γ Arietis	46 56	18 42	360.0	8.63	4.2... 4.4	1830.84	Σ 7	A and B } Very wh.
					85.2	228.76	... 9	1823.86	Sh 1	A and C }
994	β 512	DM (18°) 244	47 12	18 42	27.3	1.45	9.0... 13	1878.01	β 2	
995	β 183	L 3487	47 21	-17 20	227.9	2.69	8.4... 9.4	1876.03	Δ 4	
996	H 3472	Cord. DM (28°) 590	47 29	-28 40	50.4	3±	9½=9½	1835.9	H	
997	Σ 181 <i>rej.</i>	DM (37°) 404	47 32	37 36	....	Cl. IV	7 ... 8-9	....	Σ	
998	Σ 182	O. Arg. N. 2125	47 58	60 42	122.7	3.46	7.0... 7.0	1836.46	Σ 2	Yel. wh.
999	Hd 55	....	48 :	- 3 1:	....	....	....	1868.11	Hd	No description
1000	Lewis 1	....	48 :	18 38	65.7	6.13	9 ... 10	1897.86	L 1	
1001	Hu 423	SD (14°) 354	48 10	-14 48	109.9	1.77	9.0... 9.5	1901.90	Hu 3	(Bul. L. O. No. 21)
1002	Σ 183	DM (28°) 319	48 17	28 13	22.3	0.55	7.5... 8.2	1833.12	Σ 3	A and B } AB wh.
					163.7	5.68	... 8.8	1832.31	Σ 5	AB and C } Cash
1003	H 1095	....	48 19	69 45	336.5	9±	11 ... 12	1828+	H	
1004	H 1096	....	48 32	15 2	179.4	8±	10 ... 15	1828+	H	
1005	H 2096	....	48 33	55 55	5.4	3±	10-11... 13	1830+	H	
1006	H 2094	....	48 48	68 47	271.0	....	9 ... 10	1830+	H	" Δ R. A. = 5"
1007	H 2090	....	49 ±	81 46	340.0	4±	11 ... 12	1830+	H	
1008	Σ 4, App. I	56 Andromedae	49 1	36 40	302.3	177.53	6.0... 6.0	1836.19	Σ 5	White
1009	H 1097	....	49 3	37 9	....	....	....	1828+	H	
1010	H 2098	....	49 3	-22 8	336.5	18±	10 ... 10+	1830+	H	
1011	A. G. 25	DM (35°) 377	49 7	35 27	68.7	5.33	8.5... 8.6	1902.56	β 2	
1012	H 646	....	49 23	7 12	150±	12±	10 ... 11	1820+	H	
1013	H 19	....	49 25:	11 11:	355±	20+	12 ... 13	1820+	H	
1014	A. G. 26	A. G. Leip. 579	49 37	14 31	309.7	27.47	8.7... 11	1895.12	Lp 1	
1015	Σ 186	P 1 ^h . 209	49 41	1 15	64.7	1.23	7.2... 7.2	1831.12	Σ 4	
1016	H 2097	....	49 42	55 53	23.3	8±	10 ... 12	1830+	H	
1017	H 3243	....	50 29	25 43	61.5	15±	10-11=10-11	1831+	H	
1018	A. G. 27	A. G. Leip. 584	50 31	14 30	257.3	18.33	9.2... 9.3	1895.08	Lp 1	
1019	Σ 184 <i>rej.</i>	O. Arg. N. 2167	50 31	73 23	....	Cl. IV	8 ... 10	....	....
1020	H 1098	....	50 33	59 35	334.5	12±	10 ... 11	1828+	H	
1021	Σ 189	DM (18°) 250	50 34	18 22	269.6	8.52	8.7... 9.8	1829.52	Σ 3	
1022	Σ 187 <i>rej.</i>	DM (30°) 307	50 38	30 59	....	Cl. III	8-9... 11	....	....	From <i>Cat. Nov.</i>
1023	H 1100	B. A. C. 588	50 47	64 2	310.4	30±	5-6... 11-12	1828+	H	
1024	Σ 188 <i>rej.</i>	DM (62°) 332	50 49	62 19	236.6	40±	9 ... 10	1828+	H	
1025	S 404	DM (40°) 411	50 49	40 48	67.4	20.59	8 ... 10	1824.87	S 1	"Small star blue"
1026	H 2095	....	51 ±	81 44	260.5	5±	9-10... 14	1830+	H	Probably DM
1027	Σ 185	DM (74°) 91	51 1	74 55	40.3	1.39	7.0... 8.5	1831.95	Σ 3	(61") 69
1028	H V. 12	λ Arietis	51 15	23 1	48.0	36.62	4.9... 7.7	1781.73	H 1	White
1029	H 1099	51 15	69 54	191.2	10±	10 ... 12	1828+	H	

Within 121° of the North Pole

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Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
1030	H 2100	DM (52°) 479	1 ^h 51 ^m 16 ^s	52° 45'	170° 8'	10" ±	9-10...13	1830+	H	
1031	A. G. 28	DM (31°) 346	51 30	31 21	175.4	3.18	9.2... 9.5	1902.59	β 2	
1032	H 2101	....	51 31	55 48	274.0	6 ±	10 ... 11	1830+	H	"Neat star"
1033	Ho 10	W ² 1 ^h . 1176	51 43	37 6	198.5	2.50	8 ... 12	1884.56	Ho 3	
1034	β 7	58 Ceti	51 43	- 2 39	12.1	2.86	7.0...12.0	1875.53	Δ 3	
1035	Hu 13	SD (12°) 364	52 4	-12 33	103.7	1.00	8.5... 9.0	1899.91	Hu 2	(A. J. 480)
1036	β 513	48 Cassiopeiae	52 7	70 19	264.4	1.04	5.0... 7.5	1878.70	β 3	A and B
					51.2	23.67	...13.6	1891.62	β 3	A and C
					83.3	47.09	...13.0	1898.86	β 1	A and D
1037	Σ 192	DM (57°) 447	52 23	57 57	184.1	4.54	8.2...10.8	1832.25	Σ 3	8.2 wh.
1038	Ho 11	DM (33°) 333	52 24	33 38	139.7	4.59	9.0... 9.4	1884.25	Ho 3	
1039	Σ 194	DM (24°) 288	52 34	24 15	264.1	1.24	8.0... 8.3	1831.45	Σ 3	Yel. wh.
1040	Σ 191	Groom. 422	52 35	73 16	190.7	5.59	6.2... 8.5	1832.15	Σ 5	Wh., blue
1041	Σ 195	DM (43°) 405	52 46	43 52	194.6	3.06	8.5... 8.8	1832.54	Σ 3	White
1042	Σ 193	DM (59°) 380	52 54	59 56	193.8	2.96	8.3...10.7	1832.24	Σ 3	8.3 white
1043	Σ 196	P 1 ^h . 222	52 55	20 26	55.5	2.37	8.5...11.0	1832.42	Σ 3	A and B
					167.4	39.46	... 9.2	1832.42	Σ 3	A and C
					0.8	183.68	... 6	1862.95	Kn 1	A and D
1044	Sh 22	47 Cassiopeiae	53 6	76 42	192.3	93.59	4 ... 10	1821.97	Sh 1	"White: blue"
1045	H 2103	SD (22°) 328	53 11	-22 47	43.5	40 ±	9 ... 9+	1830+	H	B=SD (22°) 329
1046	Espin 6	DM (52°) 489	53 15	52 56	204.0	6.01	7.9...10.8	1899.87	Es 3	(A. N. 3717)
1047	Sh 24	Ceti 292	53 24	-23 30	306.5	9.08	8 ... 9	1822.89	Sh 1	
1048	Σ 198 rej.	W ² 1 ^h . 929	53 52	6 7	....	Cl. IV	8 ... 8.9	....	Σ	
1049	β 514	L 3698	53 57	-13 54	135.3	6.20	8.0...12.0	1877.69	β 1	
1050	Σ 197	W ² 1 ^h . 1247	53 59	34 43	233.6	18.33	7.3... 8.3	1833.48	Σ 3	White: ashy
1051	β 785	49 Cassiopeiae	54 4	75 32	245.7	5.22	6.0...13	1881.70	β 4	
1052	β 872	L 3694	54 28	32 44	182.1	5.25	8.1...11.6	1880.75	β 4	
1053	H 3476	L 3731	54 29	- 9 6	183.7	60 ±	6 ... 10	1835.	H	"Large star very yellow"
1054	β 515	L 3707	54 38	15 59	243.3	1.51	7.7...12.5	1878.38	β 2	
1055	H 1101	....	54 41	63 33	98.4	7 ±	10 ... 11	1828+	II	
1056	Σ 200	DM (23°) 271	54 53	23 31	124.2	7.98	8.5... 9.0	1832.62	Σ 4	Very wh.
1057	OΣ 37	Rad ¹ . 587	55 26	80 55	223.6	1.37	7.0... 9.2	1848.49	OΣ 3	
1058	Hu 806	DM (47°) 552	55 29	48 3	154.4	1.67	8.0...12.5	1902.77	Hu 1	
1059	Ho 12	W ² 1 ^h . 1292	55 42	34 5	100.4	3.10	8.0...10.7	1883.91	Ho 4	
1060	H 1102	....	55 48	62 8	54.5	7 ±	11 ... 11+	1828+	H	"Points back to a star C"
1061	Σ 202	α Piscium	55 50	2 11	335.7	3.64	2.8... 3.9	1831.16	Σ 5	Gr. wh.: blue
1062	Σ 203 rej.	....	55 55:	18 51:	....	II-III	9 ... 9	....	Σ	
1063	Σ 199	O. Arg. N. 2289	55 58	67 6	21.0	35.76	8.5... 8.5	1831.59	Σ 3	White
1064	Σ 201	ε Trianguli	55 58	32 42	119.6	3.72	5.3...11.3	1833.11	Σ 3	5.3 very wh.
1065	H 2102	DM (83°) 46	56 ±	83 22:	178.5	12 ±	10 ... 15-16	1830+	H	
1066	β 873	Rad ¹ . 597	56 7	63 48	29.1	2.03	7.3...10.9	1880.77	β 6	
1067	H 20	DM (11°) 266	56 15	11 59	15 ±	25 ±	10 ... 11	1820+	H	9.3 m. in DM
1068	H 647	W ² 1 ^h . 980	56 16	7 6	50 ±	30 ±	10 ... 10-11	1820+	H	
1069	Σ 206	DM (10°) 274	56 27	10 48	134.0	31.34	8.0... 9.2	1829.87	Σ 2	White
1070	OΣ 38	γ Andromedae	56 32	41 45	62.4	10.33	3.0... 5.0	1830.02	Σ 6	A and BC
					125.5	0.48	5.0... 6.2	1843.55	OΣ 3	B and C
					343.5	3.94	9.2... 9.5	1890.77	β 1	Golden: blue
1071	Kr 13	A. G. Hels. 1831	56 38	56 26	185.3	11.62	8.5...11.0	1831.17	Σ 3	
1072	Σ 207	DM (16°) 233	56 45	17 4	324.2	3.35	9.0...14.5	1902.79	A 3	(Bul. L. O. No. 29)
1073	A 315	SD (2°) 346	56 48	- 2 20	25.2	1.98	6.2... 8.4	1833.05	Σ 4	Yel.: ash
1074	Σ 208	10 Arctis	56 50	25 21	25.2	1.98	6.2... 8.4	1833.05	Σ 4	
1075	H 2106	....	56 53	-20 54	64.9	30 ±	9 ... 10½	1830+	H	
1076	Σ 209 rej.	W ² 1 ^h . 995	57 7	- 7 59	....	Cl. IV	8-9... 8-9	....	Σ	From Cat. Nov.
1077	H 2104	DM (52°) 500	57 9	52 27	166.4	25 ±	9=9	1830+	H	"Fine"
1078	Σ 204	DM (69°) 133	57 13	69 22	68.7	1.20	8.6... 9.1	1831.26	Σ 4	Yel'sh
1079	H 2107	SD (20°) 388	57 13	-20 12	359.6	10 ±	10 ... 10+	1830+	H	
1080	H 3478	O. Arg. S. 1262	57 22	-30 54	138.5	30 ±	8 ... 8½	1834+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
1081	H 2108	SD (9°) 390	1 ^h 57 ^m 29 ^s	- 9° 22'	251° 4	12' ±	10 ... 12	1830+	H	9.5 in SD
1082	H 2105	....	57 31	53 12	227.3	3 ±	12=12	1830+	H	"Followed by 3 stars in an arch"
1083	M. V. 102	61 Ceti	57 39	- 0 55	193.7	37.88	6 ... 10.5	1783.65	H 1	
1084	A. G. 29	A. G. Berlin 619	57 42	22 8	....	....	....	....	....
1085	H 1103	DM (63°) 291	57 42	63 35	252.3	8 ±	10 ... 12	1828+	H	A and B } "AC est. by diagram" A and C }
					150 ±	10 ±	... 13	1828+	H	
1086	Hu 14	SD (11°) 397	58 16	-11 35	18.8	3.66	9.1... 9.1	1899.91	Hu 2	(A. J. 480)
1087	A 442	SD (7°) 352	58 22	- 7 1	266.8	0.93	9.0... 12.5	1903.75	A 3	Bul. L. O. No. 90)
1088	Σ 211 ref.	....	58 24:	- 6 0:	....	Cl. IV	8 ... 11	....	Z	
1089	Σ 210 ref.	DM (36°) 402	58 30	36 23	....	Cl. III	8-9... 10	....	....	From Cat. Nov. (See p. 1099)
1090	H 2111	....	58 47	4 21	355.5	8 ±	10 ... 11	1830+	H	
1091	β 516	L 3851	59 6	- 1 33	285.0	1.07	8.0... 8.0	1877.92	β 2	
1092	Hu 15	SD (11°) 400	59 9	-11 25	8.0	1.57	8.5... 10.0	1899.88	Hu 1	(A. J. 480)
1093	H 2112	O. Arg. 8. 1280	59 9	-19 43	177.1	15 ±	9 ... 12	1830+	H	
1094	S 405	Groom. 445	59 14	79 7	274.2	55.30	7 ... 7½	1823.97	S 2	
1095	H 2109	DM (54°) 461	59 16	54 32	216.3	5 ±	10 ... 11	1830+	H	9.5 m. in DM
1096	A. G. 30	A. G. Lelp. 623	59 19	12 46	....	Dup.?	8.1...	1892.89	Lp	
1097	Σ 212	W ¹ P. 1386	59 30	24 32	165.9	2.04	8.0... 8.5	1832.77	Z 4	White
1098	Ho 312	11 Arietis	2 0 1	25 8	330.1	1.09	6.5... 12	1890.07	Ho 2	
1099	H 1105	....	0 4	58 24	77.3	12 ±	9-10... 11	1828+	H	
1100	H 1104	....	0 8	68 14	97.4	5 ±	11=11	1828+	H	
1101	H 21	W ¹ P. 1045	0 15	9 54	315 ±	30 ±	8 ... 15	1820+	H	
1102	See 16	Cord. G. C. 2092	0 25	-22 44	36.1	0.54	8.1... 9.1	1897.74	See 2	
1103	A. G. 31	A. G. Lelp. 627	0 25	14 5	150 ±	30 ±	8.8... 11.5	....	Lp	
1104	H 1106	....	0 36	63 8	70.5	6 ±	10 ... 11	1828+	H	
1105	Σ 214	W ¹ P. 1067	1 2	15 1	190.3	5.24	8.0... 9.8	1831.89	Z 3	8.0 white
1106	Σ 213	DM (50°) 459	1 17	50 30	320.0	1.95	8.5... 9.0	1832.33	Z 3	A and B } A and C }
					61.2	7.03	... 12.5	1901.25	β 2	
1107	H 1107	....	1 39	72 22	90.5	12 ±	10 ... 11	1828+	H	
1108	Σ 215	DM (40°) 442	1 43	40 13	58.0	19.20	8.2... 9.7	1831.12	Z 2	8.2 yell'sk
1109	A. G. 32	DM (40°) 443	1 47	40 16	99.4	21.40	9.0... 9.2	1902.56	β 2	
1110	H 2114	....	1 51	-26 1	....	....	....	1830+	H	
1111	Espin 48	DM (42°) 456	2 11	42 17	182.9	10.9	7.2... 11.0	1901	Es	
1112	Arg. 7	O. Arg. W. 2417	2 30	55 50	270 ±	25 ±	8-9... 9	....	β	
1113	Σ 217 ref.	....	2 30:	54 39:	....	....	8... 8... 9	....	Z	Cl. III and IV
1114	Σ 216	DM (61°) 387	2 32	61 47	270.5	0.59	7.8... 8.7	1831.23	Z 3	Yel.
1115	Σ 218	W ¹ P. 1100	2 35	- 1 0	250.0	4.78	7.0... 8.0	1832.36	Z 4	White
1116	M. VI. 69	14 Arietis	2 35	25 22	....	89.47	5.2... 8.5	1783.66	H 1	A and B } A and C }
					278.0	105.25	... 7.7	1823.97	S 2	
1117	H 1108	....	2 42	63 55	211.1	4 ±	10-11... 11	1828+	H	
1118	Hu 16	SD (10°) 438	2 47	-10 39	329.1	1.07	8.9... 10.1	1899.89	Hu 3	(A. J. 480)
1119	H 2113	O. Arg. W. 2413	2 55	70 43	197.4	12 ±	9 ... 14	1830+	H	"Neat"
1120	Σ 221	DM (19°) 329	3 3	19 47	145.2	8.38	7.7... 8.9	1836.91	Z 3	A and B } A and C } 7.7 yell'sk
					226.2	61.0	... 12	1856.09	Wn 1	
1121	H 1109	DM (38°) 422	3 6	38 37	181 ±	18 ±	10 ... 11	1828+	H	
1122	β 874	5 Persei	3 8	57 5	273.6	5.60	6.5... 12.5	1880.60	β 3	
1123	Σ 219	W ¹ P. 490	3 11	32 48	181.6	11.39	8.2... 9.0	1831.45	Z 2	White
1124	H 2116	SD (10°) 439	3 33	-10 45	150 ±	18 ±	9-10... 12	1830+	H	
1125	Σ 222	59 Andromedae	3 36	38 28	34.8	16.48	6.7... 7.2	1831.45	Z 3	Very white
1126	H 2110	....	4 ±	84 37	320.3	4 ±	10 ... 12	1830+	H	
1127	H 2115	....	4 10	54 34	52.5	6 ±	10-11... 11	1830+	H	
1128	H 3484	....	4 14:	-30 13:	63.5	89.16	8 ... 9½	1837.01	H 1	Measures from H ³
1129	Σ 224	W ¹ P. 20	4 22	13 7	242.4	4.97	7.5... 8.0	1830.53	Z 3	Yel. wh.: wh.
1130	H 1110	....	4 27	67 59	212.8	4 ±	12 ... 12	1828+	H	
1131	OZ (App) 24	Rad. ¹ 632	4 31	56 39	332.1	55.73	6.7... 8.0	1875.64	d 4	
1132	Hu 17	SD (13°) 396	2 4 37	-13 42	260.1	2.01	9.1... 11.0	1899.89	Hu 3	(A. J. 480)

Within 121° of the North Pole

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Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
1133	Espin 47	DM (47°) 580	2 ^h 4 ^m 39 ^s	47° 41'	292° 4	4' 8	8.4...11.0	1901	Es	A and B } (A. N. 3784) A and C } (See p. 1059) "Quadruple; the others 14 m."
					259.1	19.8	...10.5	1901	Es	
1134	H 2117	....	4 40	44 6	29.3	5±	11=11	1830+	H	
1135	A. G. 33	A. G. Leip. 647	4 41	11 46	320.2	39.81	9.0...9.6	....	Lp	
1136	Σ 225	DM (53°) 474	5 5	53 39	78.1	5.69	8.0...11.2	1831.74	Z 3	8.0 wh.
1137	Σ 227	Trianguli	5 25	29 45	80.5	3.68	5.0... 6.4	1836.73	Z 3	Yel.: blue
1138	H 1111	....	5 25	63 41	346.7	5±	10-11...11	1828+	H	
1139	Σ 226	DM (23°) 296	5 27	23 24	249.8	2.42	7.8... 9.7	1832.19	Z 3	7.8 yel.
1140	Ho 497	W ^a II ^b . 66	5 33	36 48	73.7	0.44	8.2... 9.0	1894.81	Ho 2	
1141	σ 60	6 Persei	5 34	50 31	75.8	146.58	5.8...10.2	1852.78	OZ 3	
1142	Hd 56	....	6 :	- 2 58:	158±	5±	....	1867.94	Hd	
1143	Σ 223	O. Arg. W. 2486	6 9	80 10	48.3	0.65	8.0...10.4	1831.03	Z 4	8.0 wh.
1144	Σ 228	Andromedae 259	6 21	46 55	262.1	1.08	6.7... 7.6	1831.46	Z 5	White
1145	β 1275	O. Arg. W. 2491	6 21	54 45	203.7	3.26	7.5...13.0	1898.66	β 4	
1146	W N. 105	....	6 24:	12 53:	....	Cl. I	....	....	H	
1147	See 17	O. Arg. S. 1387	6 27	-21 25	358.2	9.04	7.9...10.8	1897.75	See 1	
1148	Σ 230	O. Arg. W. 2493	6 28	57 56	257.3	24.09	7.5... 8.7	1831.02	Z 2	7.5 white
1149	Σ 231	66 Ceti	6 39	- 2 57	228.9	15.54	6.0... 7.8	1832.67	Z 5	Yel'sk: blue
1150	Σ 229	DM (33°) 383	6 50	33 57	1.0	2.43	8.6...10.0	1832.87	Z 5	
1151	H 326	SD (7°) 379	7 0	- 6 56	125±	10±	9 ...10	1820+	H	
1152	A 205	DM (39°) 501	7 6	39 12	306.1	1.54	8.7...11.5	1902.00	A 3	
1153	Hu 807	DM (34°) 396	7 14	34 21	144.4	0.51	8.4... 8.6	1902.75	Hu 1	
1154	Hu 424	DM (23°) 300	7 15	23 8	335.7	1.63	9.0...11.0	1901.85	Hu 3	(Bul. L. O. No. 21)
1155	A 443	SD (4°) 358	7 16	- 4 30	137.5	1.14	9.1... 9.4	1903.00	A 2	(Bul. L. O. No. 50)
1156	H 2118	....	7 26	72 50	49.1	25±	9.10...10	1830+	H	
1157	Hu 535	DM (50°) 490	7 27	50 10	49.0	1.27	8.8...13.0	1902.63	Hu 4	(Bul. L. O. No. 27)
1158	W VI. 110	L 4130	7 39	- 3 36	124.6	80.87	....	1783.0	H 1	
1159	Σ 232	Trianguli 28	7 43	29 50	245.5	6.56	7.5... 7.5	1832.03	Z 3	Very wh.
1160	H 2120	Coord. DM (26°) 802	8 6	-26 20	249.1	23±	9 ... 9+	1830+	H	
1161	H 2119	....	8 18	18 16	300.7	20±	9-10...11	1830+	H	
1162	H 1112	....	8 25	66 54	225.5	12±	10 ...13	1828+	H	
1163	OZ (App) 25	P II ^b . 21, 22	8 29	56 30	204.2	102.88	6.1... 7.1	1875.64	Δ 4	
1164	Σ 234	DM (60°) 457	8 34	60 48	239.2	0.84	7.8... 8.7	1831.55	Z 3	White
1165	W III. 42	....	8 36:	33 51:	....	Cl. III	....	1781.78	H	
1166	Σ 235	DM (55°) 560	8 53	55 21	43.4	1.71	8.5... 9.0	1830.87	Z 3	Yel'sk wh.
1167	Hd 57	....	8 54	23 52	95±	7±	9.2... 9.3	1881.02	Hd	
1168	H 22	....	9 :	11 30:	100±	7-8	10 ...11	1820+	H	
1169	Σ 236	DM (51°) 535	9 16	51 55	259.1	0.81	8.5... 9.3	1831.87	Z 3	
1170	Σ 237	Schj. 654	9 17	10 13	238.4	14.53	8.4... 8.7	1836.86	Z 2	White
1171	β 786	DM (55°) 563	9 18	55 12	353.0	4.89	8.5... 9.9	1881.57	β 4	
1172	Σ 233	DM (75°) 90	9 26	75 50	278.4	2.59	8.5... 9.0	1832.11	Z 3	White
1173	H 2121	....	9 32	53 35	165.0	15±	10=10	1830+	H	
1174	σ 66	δ Trianguli	9 36	33 41	341.9	62.58	5.2...13.7	1902.68	β 2	
1175	β 1170	χ Persei	9 39	56 57	313.3	0.27	11.5...11.7	1890.74	β 3	B and C }
					352.6	70.47	6.2...	1879.55	β 2	A and BC }
1176	H 1113	....	9 41	65 55	178.0	4±	10 ...14	1828+	H	(See p. 1059)
1177	A 206	DM (36°) 453	9 56	36 56	108.1	0.85	8.3...10.7	1900.00	A 3	A and B }
					356.3	10.92	8.5... 9.0	1830.92	Z 2	A and C }
1178	OZ 39 rej.	Rad. ² 649	9 59	79 13	....	....	7 ...	....	....
1179	Hastings	L 4219	10 3	-18 47	311.8	2.22	8.0... 9.0	1879.92	H 1	
1180	A 444	SD (9°) 433	10 11	- 9 28	339.3	1.01	8.8...11.0	1903.78	A 3	(Bul. L. O. No. 50)
1181	Σ 242 rej.	Ceti 346	10 20	-10 23	....	Cl. IV	6-7...10	....	Z	
1182	A 445	SD (5°) 421	10 24	- 5 49	182.4	2.04	9.0...11.0	1903.00	A 2	(Bul. L. O. No. 50)
1183	Σ 239	P II ^b . 38, 39	10 27	28 12	208.9	14.03	7.0... 8.0	1832.42	Z 5	White
1184	Σ 240	Arietis 65	10 28	23 19	48.0	4.71	7.7... 8.2	1832.19	Z 3	White
1185	H 3491	O. Arg. S. 1439	2 10 34	-21 34	286.1	5±	9 ... 9½	1835.	H	

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Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
1186	Tucker	DM (37°) 518	2 ^h 10 ^m 35 ^s	37° 32'	240° 8	2.69	8.5...10.5	1901.10	A 3	
1187	H 1114	DM (56°) 522	10 38	56 35	324.3	12±	7...10	1828+	H	
1188	....	DM (56°) 530	10 48	56 37	335.7	27.40	7.2...12.5	1902.90	β 2	
1189	Σ 244	W ^o II ^h . 230	10 49	21 41	289.8	4.45	8.8... 9.0	1832.19	Z 3	White
1190	A 207	DM (38°) 453	10 50	38 46	126.4	0.24	9.5... 9.6	1902.00	A 2	
1191	A. G. 34	DM (39°) 515	10 51	39 27	....	....	9.3...	....	....
1192	H 2122	DM (71°) 131	10 52	71 38	139.3	30±	9-10... 9-10	1830+	H	"Diff. R. A. = 4.6"
1193	OΣ (App) 26	Rad ¹ . 673	11 2	59 28	199.7	63.45	6.1... 6.5	1875.65	Δ 4	
1194	Σ 245	DM (39°) 517	11 13	39 43	291.8	11.01	7.0... 8.0	1832.31	Z 5	Yel'sk wh.; bluish wh.
1195	Σ 246	W ^o II ^h . 236	11 28	33 56	122.5	10.48	7.3... 8.5	1832.04	Z 3	Yel'sk: bluish
1196	A. G. 35	A. G. Lcp. 672	11 33	13 55	....	....	8.0...	....	Lp	
1197	H 2123	DM (72°) 125	11 57	72 55	27.2	23±	9...13	1830+	H	(See p. 2060)
1198	H 1115	10 Trianguli	11 59	28 5	206.8	50±	6...18	1828+	H	
1199	Σ 247 rej.	DM (3°) 320	12 7	3 37	....	CL II	9... 9	....	Z	
1200	Σ 241	DM (73°) 129	12 10	73 33	282.6	19.75	8.5...10.0	1831.78	Z 2	
1201	O. Stone 5	Cord. DM (31°) 920	12 12	-31 17	204.9	3.09	8.0... 8.7	1879.68	β 4	
1202	β 437	L 4291	12 26	3 39	32.4	7.16	8.0...12	1877.95	β 2	
1203	Hu 808	DM (32°) 419	12 30	32 41	218.4	0.5	8.8...11.5	1902.75	Hu 1	
1204	H 648	....	12 45	31 58	105±	6±	9-10...10-11	1820+	H	
1205	β 1171	DM (56°) 556	12 46	56 18	21.4	1.01	8.6...13.2	1890.71	β 3	
1206	H 327	SD (7°) 400	13 10	-7 24	320±	20±	8...10	1820+	H	
1207	H 2126	....	13 11	53 8	....	....	....	1830+	H	"A double star β two more"
1208	H 2127	DM (53°) 508	13 16	53 8	129.5	5±	10...11	1830+	H	
1209	H VI. 1	o Ceti	13 17	-3 31	90.0	74.70	Var...13	1878.88	β 2	A and B }
					92.5	114.60	...10	1782.65	H 1	A and C }
1210	H 2124	....	13 18	71 45	199.0	15±	10...13	1830+	H	
1211	H 2128	DM (53°) 512	13 28	53 11	....	10±	10-11...11	1830+	H	
1212	Σ 248	W ^o II ^h . 278	13 31	42 14	161.0	1.64	8.9... 8.9	1832.13	Z 4	Yel'sk
1213	Ku 9	DM (24°) 336	13 31	24 24	47.2	12.67	10.1...11.3	1901.59	Ku 2	Kustner (38x)
1214	Σ 250	W ^o II ^h . 287	13 57	36 52	135.8	3.16	8.5... 9.0	1832.01	Z 3	White
1215	Σ 249	DM (43°) 474	13 58	44 3	194.7	2.28	7.0... 9.0	1831.11	Z 3	Very wh.: ash
1216	A. G. 36	DM (35°) 459	13 58	35 30	225.4	3.41	9.0... 9.5	1902.56	β 2	
1217	β 875	9 Persei	14 0	55 18	162.0	11.58	5.5...12.3	1880.61	β 3	
1218	H 2125	DM (73°) 134	14 18	74 4	86.6	24±	9-10...10-11	1830+	H	9.4 m. in DM
1219	Σ 251	DM (38°) 465	14 21	38 50	264.9	2.24	8.2... 9.0	1832.14	Z 3	Yel'sk wh.
1220	H 2130	O. Arg. 8. 1488	14 22	-24 25	109.4	35±	8-9...8-9+	1830+	II	
1221	OΣ 40	L 4329	14 25	37 57	56.0	0.59	7.8... 8.6	1850.64	OΣ 4	
1222	Hu 425	DM (20°) 381	14 26	21 2	24.8	0.39	9.4...10.0	1901.96	Hu 3	(Bul. L. O. No. 21)
1223	A. G. 37	DM (31°) 412	14 35	33 42	293.0	5.02	8.8... 9.3	1902.55	β 2	
1224	Σ 254	DM (22°) 333	14 48	23 5	334.1	13.33	8.5...10.0	1831.75	Z 2	8.5 yel.
1225	Hu 536	DM (51°) 554	14 57	52 0	317.9	0.57	8.5...10.5	1902.67	Hu 3	(Bul. L. O. No. 27)
1226	β 8	W ^o II ^h . 210	14 59	8 20	200.4	0.96	8.3... 9.2	1875.31	Δ 4	
1227	Σ 252	DM (66°) 208	15 20	66 18	44.8	3.12	8.5...11.2	1832.99	Z 4	8.5 wh.
1228	H 3495	SD (11°) 446	15 25	-11 29	289±	15±	10=10	1834+	H	"A large star follows"
1229	Hu 426	SD (15°) 407	15 49	-15 7	4.6	0.70	9.1... 9.3	1901.95	Hu 2	(Bul. L. O. No. 21)
1230	Σ 256	DM (48°) 662	15 50	48 48	195.5	21.10	8.2... 9.5	1831.98	Z 2	A and B }
					44.0	36.70	... 9.5	1831.98	Z 2	A and C } White
1231	Σ 255 rej.	DM (59°) 480	15 53	59 26	....	CL II	9... 9	....	Z	
1232	H 2129	DM (76°) 79	15 58	76 48	159.4	10±	10...14	1830+	H	"Large star very red"
1233	Hu 427	SD (15°) 410	15 59	-15 1	349.7	1.14	8.7...11.0	1901.97	Hu 3	(Bul. L. O. No. 21)
1234	H 2134	....	16 0	-11 10	265.2	9±	9...10-11	1830+	H	
1235	Σ 257	DM (60°) 472	16 41	61 0	164.9	0.60	7.2... 7.7	1830.53	Z 3	Yel'sk wh.
1236	H 2132	DM (72°) 130	16 42	72 14	149±	18±	9-10...10	1830+	H	A and B }
					117±	36±	...11	1830+	H	A and C } 9.4 m. in DM
1237	H 3498	Lac. 711	16 43	-28 25	....	10±	7...16	1835.	H	
1238	Cordoba	....	16 43	-29 54	....	III	8½...10	....	....
1239	A. G. 38	A. G. Lcp. 690	2 16 45	14 52	260.0	34.51	8.7... 9.0	1895.17	Lp 1	

Within 121° Degrees of the North Pole

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Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
1240	β 876	DM (32°) 433	2 ^h 16 ^m 46 ^s	32° 58'	235° 4'	1'.19	7.5...12.3	1880.13	β 4	A and B
					26.8	5.89	9.5...10.2	1832.53	Z 3	C and D
					143.6	70.26	....	1832.18	Z 2	A and C
1241	Hu 7	L 4370	16 49	57 39	186.5	1.79	8.1...10.4	1881.56	β 4	
1242	H 1116	DM (71°) 139	16 52	71 15	123.7	7±	9-10...11	1828+	H	(See p. 1060)
1243	Espin 7	DM (54°) 539	16 52	54 42	258.7	11.44	7.0...13.6	1899.95	Es 3	(A. N. 3717)
1244	H 2135	....	16 55	-17 35	1.6	10±	10 ...10-11	1830+	H	"A third near"
1245	H 649	....	17 4	9 4	120±	1½±	15 ...16	1820+	H	
1246	Espin 49	DM (46°) 566	17 6	46 31	150.3	35.7	8.7...	1901.	Es	A and B (A. N. 3784)
					94±	1.7±	10.7...11.0	1901.	Es	B and C (See p. 1060)
1247	Ho 313	W ¹ II ^b . 249	17 22	- 8 23	75.7	1.42	8.3... 8.7	1890.03	Ho 2	(A. N. 3733)
1248	Σ 259 <i>rej.</i>	O. Arg. N. 2728	17 31	47 31	18.0	12.61	8.5...12	1833.23	Z	(See p. 1060)
1249	H 1117	....	17 53	63 49	293.0	5±	10 ...12	1828+	H	
1250	Σ 261	DM (10°) 321	17 55	10 57	249.2	3.01	8.6... 8.7	1832.38	Z 4	Yel ^{sh} wk.
1251	H 2133	DM (72°) 134	18 0	72 33	155.0	20±	9-10...10	1830+	H	
1252	β 738	Lac. 720	18 0	-30 25	182.6	0.64	7.5... 7.5	1879.70	β 2	(See p. 1060)
1253	Ho 314	W ¹ II ^b . 264	18 5	- 8 25	198.4	3.95	8.4...10.2	1890.03	Ho 2	(A. N. 3733)
1254	Hu 537	DM (48°) 670	18 9	48 41	16.6	1.92	8.2... 9.2	1902.72	Hu 3	(Bul. L. O. No. 27)
1255	Σ 260	DM (53°) 526	18 10	53 44	348.1	6.58	8.2... 8.7	1831.23	Z 3	White
1256	Σ 265	SD (2°) 404	18 24	- 2 18	136.6	12.05	8.2... 8.7	1829.87	Z 2	White
1257	A 446	SD (6°) 473	18 40	- 6 26	348.8	0.45	9.1... 9.3	1903.75	A 3	(Bul. L. O. No. 50)
1258	H 650	....	18 46	2 57	30±	10±	11 ...11	1820+	H	
1259	Σ 266	W ¹ II ^b . 282	18 48	- 2 39	268.3	7.39	8.2... 8.7	1829.88	Z 3	Very wk.
1260	β 517	Ceti 374	18 54	- 4 26	248.4	10.82	7.5...12.5	1877.99	β 1	A and B
					286.9	54.97	...11.5	1878.99	β 1	A and C
1261	A. G. 39	A. G. Lelp. 706	18 55	13 59	355±	17±	8.7... 9.7	1893.93	Lp	
1262	Σ 262	Cassiopeiae	19 10	66 52	276.7	1.86	4.2... 7.1	1829.66	Z 5	A and B
					107.3	7.63	... 8.1	1829.85	Z 5	Yel.: blue: blue
1263	β 739	O. Arg. S. 1542	19 33	-30 24	264.5	2.13	8.1... 8.7	1879.68	β 3	
1264	Ho 216	DM (30°) 396	19 55	30 45	331.4	0.98	8.0...10.5	1887.00	Ho 2	
1265	Σ 267 <i>rej.</i>	DM (53°) 529	19 54	53 50	....	III-IV	8 ... 8	....	Z	
1266	H 2140	SD (11°) 459	19 59	-11 10	240±	8±	9-10...10	1830+	H	
1267	H 3500	O. Arg. S. 1548	20 12	-21 53	341.8	15±	8½... 9	1835.	H	
1268	H III. 80	O. Arg. S. 1551	20 18	-15 53	292.4	11.27	....	1783.65	H 1	
1269	O Σ (App) 27	P II ^b . 85	20 19	10 2	31.2	73.96	6.7... 7.7	1875.42	A 4	
1270	H 2138	SD (6°) 479	20 26	- 6 13	163.9	6±	10 ...11	1830+	H	9.5m. in SD
1271	Σ 263	....	20 40	60 7	100.4	14.56	8.0...11.2	1832.20	Z 2	A and B
	Σ 264	....			225.7	16.69	9.0...10.0	1832.20	Z 2	A ¹ and B ¹
					262.5	38.82	....	1832.20	Z 2	A and A ¹
1272	Doo 5	....	20 42	61 12	183.2	1.25	10.5...10.3	1900.62	Doo 2	
1273	H 2137	DM (42°) 523	20 44	42 42	136.4	20±	9 ...10	1830+	H	8.5m. in DM.
1274	H 2136	DM (53°) 531	20 54	53 19	37.1	5±	9-10...10-11	1830+	H	
1275	Σ 268	DM (54°) 557	20 58	55 0	129.1	2.69	6.9... 8.2	1831.63	Z 5	Wh.: blue
1276	Hu 428	DM (22°) 350	21 23	22 48	59.8	0.49	9.2... 9.5	1901.94	Hu 3	(Bul. L. O. No. 21)
1277	β 1172	DM (56°) 635	21 27	56 42	238.3	1.64	8.4...10.9	1890.71	β 3	
1278	Σ 269	P II ^b . 89	21 46	29 23	340.4	1.90	7.5... 9.8	1832.36	Z 3	Yel.: ash
1279	H 2141	....	22 13	44 57	145.0	4±	13 ...14	1830+	H	
1280	Σ 270	....	22 21	55 1	302.1	21.18	7.2... 9.0	1829.19	Z 2	7.2 wk.
1281	H 2139	DM (52°) 590	22 38	52 38	130±	¾	9 ...	1830+	H	
1282	A 447	SD (7°) 436	22 40	- 7 36	150.1	2.93	9.0...12.0	1903.81	A 3	(Bul. L. O. No. 50)
1283	Hu 18	SD (11°) 467	22 46	-11 10	250.4	4.48	8.5...12.5	1900.10	Hu 3	(A. J. 480)
1284	A 448	SD (9°) 467	22 50	- 9 17	39.5	0.67	8.5... 9.8	1903.81	A 3	(Bul. L. O. No. 50)
1285	β 518	Ceti 389	23 11	9 2	138.4	1.57	6.5...11.0	1878.00	β 3	
1286	β 1314	DM (57°) 582	2 23 14	57 10	119.6	3.53	7.5...13.2	1902.90	β 3	A and B
					333.5	13.25	...11.8	1902.90	β 3	A and C
					162.8	15.11	...14	1902.91	β 2	A and D
					268.5	25.17	...11.8	1902.90	β 2	A and E

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Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
1287	Doo 6	DM (61°) 422	2 ^h 23 ^m 17 ^s	61° 16'	289° 6'	1' 07	7.7...11.2	1900.62	Doo 2	(<i>Pub. Flower</i> <i>Obey, I</i>)
1288	β 519	W ¹ II ^h . 367	23 38	— 2 48	58.8	0.80	8.2... 9.7	1878.40	β 2	
1289	Σ 271	P II ^h . 96	23 38	24 42	180.5	11.86	6.5...11.0	1831.75	Σ 2	6.5 <i>yel.</i>
1290	H 2142	DM (53°) 538	23 53	53 43	308.6	7±	9-10...10	1830+	H	A and B } A and C }
					359.5	8±	...10	1830+	H	
1291	β 304	L 4613	24 5	36 56	283.1	17.86	7.5...11.5	1879.83	β 2	
1292	H 1118	....	24 8	66 9	120.0	3±	11 ...11-12	1828+	H	
1293	A. G. 40	DM (20°) 410	24 10	20 58	245.8	5.60	9.0...10.0	1901.85	Hu 2	
1294	Ku 10	DM (32°) 456	24 14	32 23	355.5	3.50	9.4...10.0	1901.44	Ku 2	Knutner (38x)
1295	Σ 272	DM (57°) 585	24 23	57 56	42.3	1.73	8.2... 8.2	1830.87	Σ 3	Very wk.
1296	H 3502	B. A. C. 773	24 26	—23 13	83.5	25±	6½...13	1835.86	H	(See p. 1060)
1297	H 2143	DM (56°) 656	24 53	57 0	20.4	15±	9-10...11	1830+	H	
1298	H 2144	DM (48°) 695	24 59	48 20	261.5	20.	9-10...11	1830+	H	
1299	OΞ 42	Rad ¹ . 732	25 6	51 47	110.0	0.40	7.0... 7.5	1847.55	OΞ 3	
1300	H 3504	O. Arg. 8. 1607	25 10	—30 53	271.3	7±	8 ... 8½	1834+	H	
1301	Σ 274	W ¹ II ^h . 400	25 20	0 34	218.2	13.47	7.2... 7.7	1833.37	Σ 3	Very wk.
1302	H 2145	....	25 21	17 11	218.4	7±	10-11...13	1830+	H	
1303	Σ 273	W ¹ II ^h . 580	25 23	17 51	358.3	6.87	7.7... 8.7	1830.87	Σ 3	White
1304	H 651	....	25 43	3 44	120±	3±	11 ...15	1820+	H	
1305	Howe 6	....	25 46	— 8 5	205.1	2.20	9.6...10.0	1877.32	Δ 2	
1306	A. G. 41	DM (35°) 500	25 51	35 23	261.0	4.40	9.1... 9.3	1902.57	β 2	
1307	H 1119	....	25 56	69 59	321.4	10±	10-11...13	1828+	H	A and B } "A fourth A and C } at 320°"
					22.0	11±	...14	1828+	H	
1308	H 652	DM (8°) 392	26 9	9 3	320±	2½±	10 ...10+	1820+	H	
1309	Σ 276	DM (5°) 353	26 20	5 48	253.3	2.29	8.8... 8.8	1830.68	Σ 4	
1310	H 653	W ¹ II ^h . 598	26 26	30 53	43±	17±	9 ...12	1820+	H	Orange red: blue
1311	Hu 203	DM (52°) 599	26 29	52 15	69.1	0.70	9.5... 9.5	1900.84	Hu 3	(A. J. 494)
1312	A 316	SD (2°) 433	26 36	— 2 17	84.0	0.43	8.4... 9.0	1902.77	A 3	(<i>Bul. L. O. No. 89</i>)
1313	A. G. 42	DM (39°) 566	26 48	39 46	143.5	6.18	8.6... 9.1	1902.57	β 2	
1314	A 449	SD (7°) 449	27 15	— 7 24	347.0	3.97	8.9...11.7	1903.80	A 2	(<i>Bul. L. O. No. 90</i>)
1315	H 3505	O. Arg. 8. 1633	27 32	—18 53	23±	20±	8 ...12	1834+	H	9m. in O. Arg.
1316	Hu 63	DM (11°) 355	27 53	11 18	289.0	1.17	9.0... 9.4	1888.09	Com.3	
1317	Σ 277	DM (59°) 519	27 57	59 22	136.5	2.91	7.7...11.0	1831.19	Σ 3	7.7 wk.
1318	H 1120	W ¹ II ^h . 633	27 57	39 8	100.0	15±	7 ...12	1828+	H	A and B } "C est. A and C } from dia- gram"
					320±	25±	....	1828+	H	(See p. 1060)
1319	Σ 280	W ¹ II ^h . 442	28 8	— 6 10	349.8	3.77	7.5... 7.7	1831.16	Σ 3	Yel ¹ sh.
1320	Σ 279	L 4752	28 15	36 47	71.2	16.95	6.0...11.0	1831.48	Σ 3	6.0 very yel.
1321	Σ 278	A. G. Chris. 462	28 23	68 47	82.0	0.43	8.4... 8.7	1830.77	Σ 4	White
1322	H 3506	B. A. C. 790	28 35	—28 45	241.1	5±	6½... 8	1835.87	H	
1323	H 2147	....	28 52	45 32	164.9	10±	10-11...11	1830+	H	
1324	Hd Z	....	29 0	0 37	....	....	8 ...	....	....
1325	Hu 429	SD (16°) 465	29 23	—16 7	140.9	4.16	8.5...13.0	1902.05	Hu 2	(<i>Bul. L. O. No. 87</i>)
1326	Arg. 8	O. Arg. W. 2946	29 29	49 44	....	....	8 ...	....	....
1327	H 2146	DM (76°) 87	29 30	76 18	82.5	30±	10=10	1830+	H	"Both stars red"
1328	Σ 281	☿ Ceti	29 33	5 4	83.3	7.72	5.0... 9.6	1831.92	Σ 4	(See p. 1060)
1329	OΞ (App) 28	Rad ¹ . 746, 747	29 37	62 4	147.0	67.76	6.1... 7.1	1875.53	Δ 4	Yel.: ash
1330	H 2148	....	29 38	—13 18	332.2	18±	9-10...10	1830+	H	
1331	Kr 14	A. G. Hals. 2384	29 40	63 13	288.5	11.66	9.3...10.0	1890.77	β 1	
1332	Σ 5, App. 1	30 Arietis	30 4	24 8	273.0	38.56	6.1... 7.1	1835.30	Σ 5	Yel ¹ sh. wk.: wk.
1333	H 2150	....	30 12	—24 49	251.4	9±	12 ...13	1830+	H	
1334	Hu 809	SD (15°) 459	30 13	—15 46	61.0	0.68	9.0...12.0	1902.03	Hu 1	
1335	H 3511	O. Arg. 8. 1665	30 30	—21 56	94.3	18±	7½...10	1835.86	H	Yellow: blue
1336	H 3512	Cord. DM (25°) 1021	30 45	—25 17	37±	15±	10½...11	1835.88	H	"The β of two double stars"
1337	H 2149	....	30 46	51 10	258.0	8±	10 ...12	1830+	H	
1338	β 520	L 4858	30 49	— 4 6	210.2	0.78	9.0...10.5	1877.96	β 1	
1339	H 3515	Cord. DM (25°) 1023	2 30 52	—25 20	110±	20±	10½...11	1835.88	H	"The f of two"

Within 121° of the North Pole

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Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
1340	β 305	Persei 58	2 ^h 30 ^m 53 ^s	37° 12'	205° 2	20.80	7.0...11.2	1875.82	Δ 4	
1341	Σ 282	O. Arg. N. 2973	31 8	65 8	294.0	7.04	8.3... 8.3	1831.59	Σ 3	White
1342	Σ 283	DM (60°) 540	31 18	60 58	209.2	1.83	8.0... 8.8	1831.22	Σ 3	Yel.: ashy
1343	H 5454	....	31 18	6 12	55±	20±	10 ...11	1823+	H	
1344	Cordoba	Cord. DM (26°) 943	31 27	-26 13	....	Cl. I	9½...	....	....
1345	Σ 284	DM (60°) 541	31 32	60 46	197.7	5.29	8.0...10.0	1830.74	Σ 3	8.0 yel'sh
1346	Σ 285	W ² II ^b . 725	31 41	32 54	177.5	1.85	7.0... 7.7	1832.11	Σ 5	Yel.
1347	H 2152	W ² II ^b . 731	31 53	19 12	64.3	25±	7 ...14	1830+	H	
1348	H 2153	....	32 6	16 58	352.0	18±	9-10... 9-10	1830+	H	
1349	A 450	A. G. Nico. 539	32 19	-1 56	219.9	0.39	8.0... 8.5	1903.62	A 3	(Bul. L. O. No. 50)
1350	A. G. 43	A. G. Leip. 767	32 20	14 55	58.0	3.48	9.4... 9.4	1895.84	Lp 1	
1351	A 451	SD (6°) 511	32 21	-6 30	152.1	1.54	8.6... 9.8	1903.81	A 3	(Bul. L. O. No. 50)
1352	Σ 288	W ² II. 530	32 22	-11 54	213.6	11.92	8.0...11.0	1831.20	Σ 3	8.0 yel.
1353	Σ 287	L 4903	32 25	14 20	73.9	6.56	7.5... 9.8	1830.86	Σ 3	7.5 yel.
1354	β 1315	DM (13°) 422	32 32	13 59	130.7	1.51	8.3... 9.3	1903.75	β 4	A and B }
					56.4	77.44	... 9.3	1903.71	β 3	A and C }
1355	Σ 286	DM (33°) 481	32 34	33 26	251.8	2.71	8.0...10.3	1830.18	Σ 3	8.0 yel'sh
1356	O Σ (App) 30	L 4910	32 35	8 24	213.7	68.71	7.4... 9.0	1875.42	Δ 4	
1357	H 315	W ² II ^b . 537	32 52	-2 6	359.2	1.04	8.0... 8.2	1891.92	Ho 2	
1358	H 1121	....	33 8	68 14	242.3	9±	11 ...12	1828+	H	
1359	Σ 290	SD (2°) 462	33 13	-2 25	219.8	10.24	8.1...10.1	1830.61	Σ 4	8.1 yel'sh
1360	Hu 538	DM (52°) 614	33 22	52 22	308.8	0.24	9.0...10.3	1902.03	Hu 3	(Bul. L. O. No. 27)
1361	H 2154	....	33 29	42 10	147.0	10±	10 ...12	1830+	H	
1362	H 3518	O. Arg. S. 1715	33 38	-28 41	19.6	10±	8½...12	1835.87	H	A and B }
					299±	12±	...12	1835.87	H	A and C }
1363	A. G. 44	DM (34°) 492	33 39	34 19	287.5	10.12	9.0... 9.1	1902.55	β 2	
1364	Σ 289	33 Arietis	33 40	26 33	359.4	28.54	5.8... 8.7	1831.71	Σ 3	5.8 yel'sh
1365	O Σ 43	L 4924	33 42	26 6	93.0	0.46	7.2... 8.8	1848.72	O Σ 2	Wh.: ash
1366	A. G. 45	DM (7°) 410	33 49	7 22	350±	3±	9.3...10.5	1895.	....
1367	A. G. 46	DM (39°) 603	33 53	39 45	345.1	37.70	9.0... 9.2	1902.57	β 2	
1368	Lewis 2	....	34 :	26 28:	309.8	0.21	8.5... 9.5	1896.10	L 1	
1369	H 2151	O. Arg. N. 3016	34 1	74 54	135.0	12±	6-7...15	1830+	H	
1370	Hu 539	DM (48°) 737	34 12	48 54	80.7	0.30	8.6... 8.8	1902.00	Hu 3	(Bul. L. O. No. 27)
1371	A. G. 47	A. G. Leip. 782	34 12	14 29	311.8	22.55	9.2... 9.5	1895.18	Lp 1	
1372	H 1123	W ² II ^b . 778	34 15	42 17	252.0	15±	9 ... 9	1828+	H	
1373	H 1124	DM (42°) 591	34 23	42 12	152.0	6±	8 ...12	1828+	H	
1374	Σ 291	DM (18°) 337	34 23	18 17	119.0	3.25	7.4... 7.7	1832.18	Σ 6	A and B }
					121.5	66.25	(12-13)	1825.77	S 1	A and C }
1375	O Σ 44	DM (42°) 598	34 31	42 11	58.6	1.47	7.8... 8.5	1850.24	O Σ 4	AB wh.
1376	Espin 8	DM (52°) 616	34 33	53 1	42.6	12.77	5 ...14	1899.97	Es 1	
1377	H 328	....	34 37	35 58	255±	8±	10 ...14	1820+	H	
1378	O Σ 45	W ² II ^b . 573	34 39	4 21	295.9	1.61	7.0... 9.2	1847.60	O Σ 3	
1379	H 1122	DM (63°) 354	34 42	63 39	216.1	12±	8-9...10-11	1828+	H	9.0m. in DM
1380	A. G. 48	A. G. Leip. 784	34 44	10 52	215.3	3.52	9.0... 9.2	1893.97	Lp 1	
1381	H 1126	....	34 48	42 17	....	....	....	....	H	
1382	A. G. 49	DM (37°) 604	34 51	38 6	342.8	15.00	9.0... 9.3	1902.69	β 2	
1383	Σ 292	DM (39°) 612	34 54	39 45	210.7	23.11	7.5... 8.2	1831.83	Σ 4	White
1384	β 521	Persei 67	34 59	47 45	153.7	5.86	6.2...11.2	1878.66	β 2	
1385	H 2155	....	35 1	42 18	321.2	15±	9-10...11	1830+	H	
1386	Σ 295	84 Ceti	35 4	-1 12	334.6	4.85	6.0... 9.2	1831.90	Σ 4	Yel.: ash
1387	See 19	Cord. G. C. 2837	35 9	-24 39	323.8	0.57	8 ... 8.6	1897.73	See 1	
1388	Σ 294	DM (36°) 540	35 21	36 38	102.2	7.09	9.2... 9.7	1831.33	Σ 3	
1389	Σ 293	DM (56°) 705	35 31	56 33	57.5	6.61	8.5...11.7	1830.87	Σ 3	
1390	β 522	μ Arietis	35 36	19 30	265.8	19.10	6 ...12.5	1878.75	β 1	
1391	Hu 540	DM (51°) 621	35 37	51 27	218.2	3.74	8.5...12.0	1902.00	Hu 3	(Bul. L. O. No. 27)
1392	H 1125	2 35 39	67 48	223.4	20±	9-10...11	1828+	H	

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Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
1393	Σ 296	θ Persei	2 ^h 35 ^m 59 ^s	48° 43'	294° 6'	15.40	4.2...10.0	1832.20	Σ 3	4.2 <i>yel.</i>
1394	A 317	SD (2°) 476	36 13	— 2 52	87.4	4.08	9.0...13.9	1902.71	A 2	(<i>Bul. L. O.</i> No. 29)
1395	Espin 50	DM (54°) 601	36 18	54 25	26.0	2.3	9.3... 9.4	1901.	Es	(<i>A. N.</i> 3784)
1396	Σ 297	O. Arg. N. 3102	36 39	56 3	276.6	15.64	8.0... 8.3	1831.20	Σ 5	A and B } AB <i>wh.</i>
					106.8	28.35	...10.6	1830.95	Σ 4	A and C }
1397	H 654	L 5016	36 49	34 37	45±	30±	7 ... 9	1820+	H	
1398	β 306	Arietis 107	36 53	25 8	17.3	2.93	6.4...11.0	1870.79	Δ 4	
1399	A 452	SD (7°) 473	36 55	— 7 0	110.8	1.50	8.4... 8.5	1903.75	A 3	(<i>Bul. L. O.</i> No. 50)
1400	H 3523	....	37 :	—30 4	94.7	66.3	8 ... 8	1837.01	H	
1401	Σ 299	γ Ceti	37 5	2 44	289.2	2.67	3.0... 6.8	1836.74	Σ 2	<i>Yel'sh: ash.</i>
1402	Hu 430	DM (20°) 453	37 7	20 28	203.1	0.88	8.5...12.8	1902.01	Hu 3	(<i>Bul. L. O.</i> No. 21)
1403	H 1127	....	37 17	69 17	69.5	16±	10-11...11-12	1828+	H	
1404	H 3524	L 5068	37 27	—20 48	133.1	25±	8 ...10	1836.06	H 4	
1405	Σ 300	P II ^b . 160	37 29	28 57	299.6	2.91	7.9... 8.1	1832.80	Σ 4	<i>Very wh.</i>
1406	Espin 9	DM (52°) 624	37 55	52 39	30.5	2.72	7.5...11	1899.95	Es 3	(<i>A. N.</i> 3717)
1407	H 2157	O. Arg. N. 3118	38 24	72 25	286.8	8±	8-9...12	1830+	H	A and B }
					19.5	20±	...11	1830+	H	A and C }
					61.1	25±	...14	1830+	H	A and D }
1408	H 2156	....	38 28	75 32	230.5	16±	9-10...16	1830+	H	
1409	β 261	Lac. 846	38 32	—28 25	102.4	3.10	7.7...10.0	1875.95	Cin 3	
1410	Σ 303	SD (2°) 480	38 35	— 2 28	180.6	5.65	8.5... 9.5	1831.20	Σ 3	<i>White</i>
1411	Howe 7	O. Arg. S. 1780	38 45	—28 57	352.4	3.50	8.0... 8.2	1878.44	Cin 2	
1412	Arg. 9	O. Arg. N. 3145	38 46	49 37	144.7	3.08	8.4... 8.4	1901.67	β 2	
1413	....	B. A. C. 854	38 53	—26 0	185.1	11.16	6½... 9	1836.3	H	
1414	A. G. 50	A. G. Bonn 2364	38 59	46 35	3.2	11.74	9.2... 9.7	1901.58	Ku 2	
1415	Σ 301	O. Arg. N. 3148	39 6	53 26	16.6	8.23	7.3... 8.3	1830.85	Σ 3	<i>Yel'sh: bluish</i>
1416	A 453	SD (6°) 537	39 18	— 6 0	104.6	0.59	9.1... 9.6	1903.77	A 3	(<i>Bul. L. O.</i> No. 50)
1417	Hn 64	DM (1°) 456	39 20	1 3	215.0	4.84	8.2...12.0	1888.29	Com 3	
1418	β 9	L 5107	39 40	35 3	160.6	1.52	6.3... 8.4	1875.94	Δ 6	
1419	Hu 205	DM (49°) 773	39 43	49 34	155.9	1.53	9.2...11.5	1900.88	Hu 3	
1420	β 83	L 5140	40 0	— 5 28	121.3	1.40	7.5...10.1	1876.03	Δ 4	
1421	Σ 302	DM (64°) 351	40 8	64 8	168.0	5.14	8.0...10.7	1832.09	Σ 3	8.0 <i>yel'sh</i>
1422	β 307	L 5133	40 29	29 11	315.6	14.97	7.1...11.5	1876.79	Δ 4	
1423	A. G. 51	DM (36°) 559	40 33	37 3	270.2	3.87	9.4... 9.6	1902.70	β 3	
1424	β 262	W ² II ^b . 944	40 33	30 33	65.7	1.57	8.0...10.0	1876.29	Δ 6	
1425	Hd 58	....	40 36:	—28 25:	341±	25±	8 ...10	1870.	Hd	
1426	Σ 304 <i>rej</i>	L 5119	40 40	48 41	....	CL IV	8 ...11	....	Σ	
1427	Σ 305	Arietis 114	40 41	18 52	330.9	1.59	7.3... 8.2	1830.95	Σ 3	<i>Yel.</i>
1428	Espin 120	DM (53°) 576	41 6	53 26	70.3	3.9	8.7...12.5	1902.	Es 1	(<i>Mon. Not. LXIII,</i> 179)
1429	H 655	DM (9°) 362	41 7	9 43	315±	25±	8-9...10-11	1820+	H	
1430	H ² (No. 763)	....	41 16:	59 53:	150.9	9.14±	7-8...12	1831.08	H	
1431	H ² (No. 764)	....	41 22:	59 48:	10±	13.22±	8-9...12	1831.08	H	
1432	Σ 309 <i>rej</i>	W ² II ^b . 687	41 24	5 22	....	III-IV	9 ... 9-10	....	Σ	
1433	β 1002	O. Arg. S. 1810	41 29	—15 53	333.7	1.78	8.0...11.3	1881.84	β 3	
1434	Espin 51	DM (53°) 578	41 36	53 26	320±	70±	9 ...	1901.	Es	A and B } (<i>A. N.</i> 3784)
					280±	3±	10 ...10.2	1901.	Es	B and C }
1435	A. G. 52	A. G. Leip. 1031	41 38	7 3	49.8	19.55	9.6...10.0	1895.19	Lp	
1436	Σ 308	....	41 40	—10 22	334.1	21.11	8.7... 9.2	1830.43	Σ 2	
1437	Hu 206	DM (48°) 765	41 49	48 18	337.2	1.81	7.8...12.0	1900.88	Hu 3	(<i>A. J.</i> 494)
1438	Σ 306	L 5135	41 52	59 55	93.4	2.12	7.1... 9.0	1831.71	Σ 4	A and B } 7.1 <i>yel'sh:</i>
					156.9	27.48	...11.5	1867.68	Δ 1	A and C } <i>wh.</i>
1439	β 523	DM (33°) 517	41 55	33 28	210.3	2.25	9.0...11.0	1877.85	β 1	
1440	Σ 307	η Persei	2 41 56	55 24	300.4	28.42	4.0... 8.5	1836.76	Σ 3	A and B }
					268.3	67.03	....	1878.15	β 1	A and C }
					110±	3±	10.0...10.5	....	....	C and ϵ }

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
1441	β 1316	DM (59°) 553	2 ^h 42 ^m 0 ^s	59° 53'	114° 9'	0.32	8.7... 8.7	1903.88	β 1	A and B
					21.5	10.68	8.0... 11.0	1868.63	δ 3	AB and C
					11.3	20.27	... 11.5	1869.62	δ 2	AB and D
					156.4	123.62	....	1868.63	δ 3	Σ 306 and A
1442	H ₀ 217	W ^a II ^b . 982	42 0	34 1	276.0	2.02	8.5... 10.7	1887.00	Ho 2	
1443	H 2158	DM (75°) 109	42 0	76 2	173.5	12±	8 ... 13	1830+	H	"Chief of a group"
1444	Lv 2	O. Arg. S. 1817	42 5	-18 49	24.6	3.08	8.2... 11.5	1886.83	Lv 2	
1445	Σ 310	....	42 7	33 26	86.3	2.55	7.7... 10.9	1832.09	Σ 5	7.7 <i>yel'sh</i>
1448	A. G. 53	DM (36°) 568	42 12	36 51	obl.	....	8.5...	....	....
1447	....	DM (59°) 555	42 20	60 3	14.8	21.20	9.1... 9.1	1903.94	β 2	A and B
					66.8	12.64	10 ... 11.5	1903.94	β 1	C and D
					271.5	11.17	... 12.8	1903.95	β 1	A and ϵ
					346.6	140.65	....	1903.94	β 1	A and C
1448	Σ 311	π <i>Arietis</i>	42 36	16 58	119.3	3.28	4.9... 8.4	1832.32	Σ 5	A and B
					110.1	25.22	... 10.2	1832.58	Σ 6	A and C
1449	O Σ 46	L 5205	42 49	30 2	76.2	4.99	7.0... 10.2	1852.68	O Σ 4	A and B
					170±	15±	...(19)	1820+	H	A and C
1450	O Σ 47 <i>rej.</i>	41 <i>Arietis</i>	42 55	26 46	261.6	20.83	4.1... 11.2	1871.05	δ 5	A and B
					203.0	34.45	... 11.0	1872.79	δ 2	A and C
					226.6	127.55	...(9)	1821.95	Sh 1	A and D
1451	A. G. 54	A. G. Lelp. 827	43 13	11 39	0.5	30.64	8.9... 9.0	1895.18	Lp 1	
1452	Σ 313	W ^a II ^b . 719	43 26	8 27	191.0	5.41	8.7... 9.0	1831.99	Σ 4	
1453	H 2160	....	43 28	47 33	247.5	5±	12 ... 13	1830+	H	
1454	Σ 315	L 5253	43 30	-11 3	160.2	2.52	7.5... 8.7	1831.99	Σ 3	<i>Yel'sh wh.</i>
1455	....	DM (59°) 559	43 41	59 59	193.7	15.87	8.0... 11.9	1903.94	β 2	
1456	A. G. 55	A. G. Lelp. 1049	43 53	6 11	50.9	2.48	9.4... 9.6	1901.58	Ku 2	Kustner (3821)
1457	Σ 312	O. Arg. W. 3219	44 11	72 24	13.9	3.59	7.1... 8.0	1832.08	Σ 5	A and B
					127.0	42.31	... 9.2	1831.75	Σ 2	A and C
1458	H 3533	O. Arg. S. 1842	44 17	-20 45	274.4	45±	8 ... 8½	1835.86	H	
1459	Σ 314	<i>Persei</i> 85	44 21	52 30	295.4	1.46	6.9... 7.1	1830.46	Σ 4	<i>White</i>
1460	β 10	L 5276	44 23	-5 29	99.2	2.66	7.2... 11.1	1874.82	δ 4	
1461	H 657	....	44 30	10 50	240±	8±	11 ... 13	1820+	H	
1462	β 877	γ <i>Fornacis</i>	44 32	-25 3	144.4	11.53	6 ... 13	1880.93	β 4	A and B
					157.0	48.85	... 11.2	1880.68	β 4	A and C
1463	Σ 316	DM (36°) 581	44 34	36 48	134.3	13.86	8.5... 8.7	1830.02	Σ 3	<i>White</i>
1464	H 3535	B. A. C. 883	44 42	-28 26	....	....	6 ...	1834+	H	
1465	H ₀ 218	W ^a II ^b . 751	45 7	2 34	210±	0.4±	7 ... 7	1889.94	Ho 1	
1466	O Σ 48	L 5258	45 11	48 5	316.9	6.77	6.4... 10.5	1854.32	O Σ 4	
1467	See 20	π <i>Eridani</i>	45 36	-21 30	128.3	51.92	4 ... 14.9	1897.75	See 1	
1468	....	π <i>Persei</i>	45 45	52 16	106.4	50.67	5 ... 12	1878.46	β 2	A and B
					75.3	4±	... 13	1878.15	β 1	B and C
1469	H 1128	....	45 54	69 24	307.3	5±	10 ... 15	1828+	H	
1470	β 1293	L 5287	45 56	46 40	352.1	1.72	7.1... 10.7	1900.75	β 3	
1471	β 524	20 <i>Persei</i>	46 8	37 51	321.4	0.22	6 ... 6.7	1880.53	β 3	A and B
					236.8	14.08	5.5... 10.0	1829.14	Σ 2	AB and C
1472	Σ 323	W ^a II ^b . 774	46 19	5 59	283.2	2.55	8.0... 8.0	1830.00	Σ 3	<i>Very wh.</i>
1473	See 21	O. Arg. S. 1861	46 20	-21 47	98.1	0.36	7.5... 7.5	1897.62	See 1	
1474	A. G. 56	A. G. Lelp. 851	46 24	10 11	109.4	6.83	9.0... 9.1	1893.97	Lp 1	
1475	Σ 322	DM (35°) 586	46 40	35 33	320.3	5.39	8.5... 10.3	1831.14	Σ 3	8.5 <i>yel'sh wh.</i>
1476	H 329	DM (31°) 499	46 41	31 13	105±	18±	9 ... 14	1820+	H	
1477	H 2162	....	46 52	43 3	36.3	5±	11 = 11	1830+	H	
1478	A. G. 57	A. G. Lelp. 854	46 55	11 49	347.8	10.16	9.3... 10.5	1895.18	Lp 1	
1479	H 2163	....	46 57	43 4	14.2	3±	13 = 13	1830+	H	
1480	Σ 321	DM (58°) 530	46 58	58 23	19.7	18.42	8.5... 9.0	1830.71	Σ 2	<i>Yel.: wh.</i>
1481	A. G. 58	DM (37°) 659	47 5	37 15	obl.?	8.2...	
1482	Σ 317	DM (68°) 209	2 47 8	68 43	87.6	3.24	7.8... 9.5	1831.94	Σ 3	7.8 <i>yel'sh wh.</i>

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Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
1483	H 658	W ² II ^b . 1261	2 ^h 47 ^m 58 ^s	9° 17'	40° ±	15" ±	10 = 10	1820+	H	
1484	H 659	....	48 10	- 4 40	325 ±	9 ±	10 ... 11	1820+	H	
1485	Ho 316	L 5362	48 16	27 14	284.4	19.77	7 ... 13	1891.95	Ho 2	
1486	Hu 810	DM (34°) 542	48 20	35 3	14.7	1.29	8.5...14.5	1902.75	Hu 1	
1487	Σ 325	DM (33°) 542	48 23	34 0	253.4	11.70	8.2... 9.7	1830.98	Z 2	8.2 yel'sh wh.
1488	Hd 59	....	48 26:	-28 21	101.4	3.29	7 ... 9	1870.02	Hd 1	
1489	Σ 324 rej.	Rad ^t . 835	48 27	46 41	191.4	12 ±	8 ... 17	1830+	H	A and C }
					342.4	8 ±	... 18	1830+	II	A and B }
1490	Σ 326	DM (26°) 484	48 31	26 24	216.1	9.03	7.5... 9.7	1831.46	Z 2	7.5 very yel.
1491	Hd 60	....	48 38:	-28 26:	157.8	5 ±	8½...10	1870.02	Hd 1	
1492	Σ 328	DM (43°) 607	49 48	44 2	299.5	27.06	8.5... 9.0	1832.18	Z 2	White
1493	Σ 320	Cephei 47 (Hev.)	50 7	78 57	227.0	4.43	6.3... 9.5	1831.60	Z 3	Golden: ash
1494	Ho 317	W ² II ^b . 1177	50 19	16 45	307.9	2.83	8.1...11.0	1890.00	Ho 3	
1495	Kr 15	A. G. Hals. 2667	50 45	56 24	109.7	3.53	9.0... 9.7	1890.75	β 1	
1496	A. G. 59	A. G. Lelp. 881	50 57	13 50	89.5	24.25	8.9... 9.5	1893.97	Lp 1	
1497	Hd 61	....	51 :	-28 29:	345 ±	22 ±	8.5...10.5	1880.96	Hd	
1498	Σ 330	Ceti 478	51 4	- 1 3	191.1	8.78	7.5... 9.5	1832.67	Z 4	Very yel.: bluish
1499	H 2164	O. Arg. W. 3339	51 21	70 11	320.9	4½	8-9...11	1830+	H	
1500	OΣ (App) 31	Rad ^t . 845	51 36	59 11	229.4	73.58	6.7... 7.3	1875.53	Δ 4	
1501	β 1173	Arietis 133	51 38	23 39	325.4	0.13	7.7... 7.8	1890.88	β 3	A and B }
					283.6	4.63	... 13	1890.88	β 3	AB and C }
1502	Σ 332	W ² II ^b . 878	51 41	- 0 4	52.9	12.68	8.5... 8.5	1831.43	Z 2	White
1503	Innes 149	....	51 51	-23 52	260.2	7.28	9.9...10.4	1900.10	I 1	
1504	Ho 498	W ² II ^b . 1208	51 55	17 12	180 ±	1.5 ±	8.5...12	1890.08	Ho	(A. N. 3557)
1505	Σ 329	....	51 56	58 33	271.7	15.94	7.5... 9.0	1830.71	Z 2	7.5 wh.
1506	Ho 219	W ² II ^b . 1203	51 57	34 24	243.8	6.31	8.1...12.2	1890.03	Ho 2	
1507	β 741	Lac. 932	51 58	-25 27	158.2	0.57	7.7... 7.9	1879.69	β 4	A and B }
					219.1	27.75	... (9)	1824.95	S 2	AB and C }
1508	β 525	B. A. C. 920	52 0	21 8	105.1	0.59	7.0... 7.0	1877.72	β 1	
1509	H 5455	....	52 16:	32 4:	195 ±	20 ±	8 ... 12	1823+	H	
1510	Σ 331	P II ^b . 220	52 18	51 53	85.0	12.19	5.3... 6.7	1828.89	Z 3	Yel'sh: bluish
1511	A 208	SD (2°) 529	52 19	- 2 4	266.4	0.56	8.5...10.0	1902.00	A 2	
1512	Σ 333	* Arietis	52 21	20 52	188.9	0.55	5.7... 6.0	1830.16	Z 4	White
1513	H 3543	Cond. DM (29°) 1096	52 30	-29 28	90 ±	....	....	1834+	H	
1514	H 660	....	52 36	10 19	....	....	10 ... 13	1820+	H	"Very unequal"
1515	Ho 318	DM (16°) 376	52 44	16 34	23.4	2.02	9.1... 9.1	1890.06	Ho 2	(A. N. 3233)
1516	Ho 13	L 5498	52 45	26 49	163.7	1.82	7 ... 12	1883.19	Ho 3	(See p. 1061)
1517	Σ 334	L 5523	53 1	6 10	322.8	1.59	7.7... 8.2	1830.94	Z 3	White
1518	H 2165	....	53 4	75 19	209.0	25 ±	10 ... 11	1830+	H	Probably DM (75°)
1519	H 2167	DM (44°) 612	53 7	44 25	32.0	20 ±	9 ... 9-10	1830+	H	"Close to neb. II, 123"
1520	Ku 11	DM (33°) 557	53 9	33 10	56.4	3.20	9.4...10.0	1901.56	Ku 2	Kustner (3821) 230."
1521	Σ 327 rej.	Rad ^t . 839	53 9	81 0	....	Cl. IV	6 ... 11	....	Z	
1522	Σ 319 rej.	DM (84°) 53	53 18	84 31	....	Cl. IV	7 ... 10	....	Z	
1523	A 454	SD (6°) 579	53 20	- 6 43	134.3	3.70	9.0... 9.3	1903.80	A 2	(Bul. L. O. No. 50)
1524	A 209	SD (3°) 476	53 38	- 3 1	75.8	1.52	8.7... 9.4	1902.00	A 3	
1525	A. G. 60	A. G. Lelp. 891	53 43	14 3	160.6	6.59	9.5... 9.9	1901.60	Ku 2	
1526	OΣ 49	P II ^b . 230	53 47	17 32	71.1	1.71	7.0...10.0	1846.80	OZ 3	7.0 wh.
1527	A 455	L 5555	53 48	- 9 54	309.8	3.64	8.1...13.5	1903.80	A 3	A and B }
					65.3	40 ±	7 ... 9	1834.93	H 1	A and C }
1528	Kr 17	A. G. 2707	53 54	60 22	221.3	3.46	9.0... 9.1	1890.75	β 1	
1529	H 2166	DM (75°) 124	54 4	75 20	251.3	40 ±	8-9...10	1830+	H	
					191.5	40 ±	... 10	1830+	H	
					142.4	40 ±	... 11	1830+	H	
1530	Σ 336	Persei 104	54 8	31 56	8.5	8.20	6.5... 8.0	1831.17	Z 3	Yel.: bluish
1531	H 1129	DM (69°) 194	54 12	69 45	170.0	50 ±	9 ... 9	1828+	H	
1532	Hu 431	DM (21°) 399	2 54 13	21 10	192.6	0.96	9.4... 9.7	1901.99	Hu 3	(Bul. L. O. No. 21)

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
1533	Hu 811	SD (16°) 538	2 ^h 54 ^m 24 ^s	-16° 19'	220° 3	2' 02	7.5...11.0	1902.03	Hu 1	
1534	Σ 337	DM (40°) 651	54 29	40 55	163.4	17.76	7.5...9.0	1832.18	Σ 2	7.5 <i>yel'ash</i>
1535	Σ 335	DM (63°) 387	54 42	63 17	158.5	24.38	8.0...8.5	1831.52	Σ 2	White
1536	Ku 12	DM (45°) 695	55 7	45 24	144.8	2.83	9.7...10.1	1901.07	Ku 2	Kustner (3821)
1537	Σ 338	....	55 18	10 23	200.3	20.14	8.2...8.5	1831.96	Σ 3	White
1538	Hu 541	DM (48°) 838	55 21	48 20	343.1	1.47	9.0...12.0	1902.73	Hu 2	(<i>Bul. L. O. No. 27</i>)
1539	H 2169	DM (51°) 670	55 25	52 3	130.6	8±	10 = 10	1830+	H	
1540	H 3546	SD (18°) 513	55 40	-18 22	82.3	8±	9 ... 12	1835.86	H	"A 7½ m. star 3' n p"
1541	Hd 62	DM (3°) 418	55 42	3 19	120±	40±	9.5...9.8	1868.96	Hd	(See p. 1061)
1542	H 1130	....	55 48	67 13	220±	7±	10-11...11	1828+	H	"Angle est. from diagram"
1543	Hu 542	DM (49°) 835	56 3	49 42	310.3	2.10	8.9...12.0	1902.73	Hu 2	(<i>Bul. L. O. No. 27</i>)
1544	H 2170	γ Persei	56 6	53 2	224.9	60±	4-5...13	1830+	H	
1545	H 1131	....	56 15	67 16	106.0	18±	9 ... 10	1828+	H	
1546	H 2168	....	56 30	70 58	294.1	12±	10 ... 11	1830+	H	"A very red"
1547	Kr 18	A. G. Hels. 2735	56 30	57 16	273.9	1.18	9.2...9.3	1890.75	β 1	
1548	Σ 339	....	56 48	28 2	327.2	13.42	8.2...11.5	1831.77	Σ 3	8.2 <i>yel'ash</i>
1549	β 11	ρ ² Eridani	56 49	-8 9	87.2	2.72	5.4...9.6	1875.64	Δ 5	
1550	Σ 341	W ¹ II ^h . 981	56 57	-2 23	229.4	8.62	7.7...9.7	1831.43	Σ 2	7.7 <i>yel.</i>
1551	H 2171	....	57 21	42 26	342.2	2±	11 ... 12	1830+	H	
1552	Hu 812	DM (34°) 567	57 30	34 19	199.4	1.11	8.0...12.0	1902.77	Hu 1	
1553	Arg. 10	O. Arg. N. 3418	57 34	52 35	90.1	4.14	9.0...9.0	1901.84	β 2	
1554	β 1174	L 5683	57 46	-11 27	305.9	1.22	7.7...11.3	1890.82	β 3	
1555	β 1175	L 5636	57 49	43 14	280.9	0.26	7.3...8.7	1890.68	β 3	
1556	Σ 342	DM (27°) 474	57 57	27 27	306.6	3.07	8.3...8.8	1832.02	Σ 3	White
1557	Lewis 3	....	58 :	24 46:	166.6	1.93	....	1901.91	L 1	
1558	H 3548	L 5706	58 21	-21 50	122.2	12±	7 ... 12	1835.86	H	
1559	Σ 346	52 Arietis	58 24	24 47	264.5	0.73	6.0...6.0	1832.01	Σ 3	A and B } AB very
					357.2	5.21	...10.8	1832.36	Σ 3	AB and C } wh.
1560	Σ 348 rej.	W ¹ II ^h . 1015	58 50	6 45	....	Cl. IV	8-9...10	....	Σ	From Cat. Nov.
1561	H 5456	....	59 8:	31 25:	300±	14±	9 ... 11	1823+	H	
1562	A 456	SD (9°) 585	59 25	-9 25	42.0	4.22	8.5...10	1903.81	A 2	(<i>Bul. L. O. No. 50</i>)
1563	Σ 350	....	59 46	20 11	118.7	16.63	8.0...9.7	1831.36	Σ 2	8.0 <i>yel'ash</i>
1564	A. G. 61	DM (20°) 507	3 0 0	20 24	26.0	0.74	8.8...9.5	1901.83	Hu 2	
1565	β 526	β Persei (Algol)	0 22	40 30	155.3	59.06	Var...12.7	1878.81	β 3	A and B }
					144.8	68.07	...12.5	1878.81	β 3	A and C }
					192.6	81.91	...10.5	1879.30	β 4	A and D }
					116.2	10.80	...12.5	1878.81	β 3	D and E }
1566	Ho 499	DM (35°) 628	0 27	35 29	236.0	1.56	8.2...12	1895.97	Ho 2	(<i>A. N. 3557</i>)
1567	β 527	W ¹ II ^h . 1050	0 23	-13 54	60.4	0.85	8.0...8.5	1877.83	β 1	(See p. 1061)
1568	OΞ 50	Rad ¹ . 876	0 45	71 6	232.5	0.88	7.5...7.5	1847.22	OΞ 2	A and B }
					306.6	20±	...(14)	1830+	H	A and C }
1569	A. G. 62	DM (38°) 645	0 45	38 42	204.6	10.45	9.4...9.4	1902.63	β 2	A and B }
					215.3	23.61	...10.6	1902.63	β 2	A and C }
1570	Σ 349	....	0 45	63 20	319.8	6.14	7.4...8.1	1832.10	Σ 4	
1571	Σ 353 rej.	DM (17°) 494	0 47	17 25	58.6	10.66	9.6...11.0	1901.76	β 2	
1572	Σ 355	W ¹ II ^h . 1056	0 54	7 56	148.7	2.75	8.7...9.5	1832.52	Σ 5	
1573	Σ 356	SD (13°) 592	1 0	-13 47	12.2	15.91	7.7...10.8	1831.91	Σ 3	7.7 <i>yel'ash</i>
1574	Σ 351	W ² II ^h . 1416	1 2	43 47	119.6	27.29	8.5...9.0	1832.13	Σ 2	White
1575	Σ 354 rej.	DM (24°) 438	1 4	24 7	....	Cl. IV	8 ... 9	....	Σ	
1576	Σ 345	O. Arg. N. 3439	1 7	78 3	79.6	6.51	8.0...9.8	1831.93	Σ 3	Yel.: ash
1577	Σ 352	DM (34°) 585	1 14	35 0	6.8	3.50	8.2...10.3	1831.52	Σ 3	8.2 wh.
1578	H 351	....	1 14	30 33	290±	15±	11 ... 12	1820+	H	
1579	H 2173	Rad ¹ . 882	2 17	73 25	164.3	25±	6-7...12	1830+	H	"Large star very ruddy"
1580	β 528	W ¹ II ^h . 1086	2 25	-4 3	197.5	1.01	8.5...8.5	1877.97	β 2	
1581	Σ 357	SD (13°) 596	2 33	-13 3	294.7	7.88	8.5...10.3	1833.05	Σ 3	
1582	Σ 358	W ¹ II ^h . 1091	3 2 44	-4 9	349.3	15.22	8.5...11.3	1833.06	Σ 3	8.5 wh.

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
1583	Σ 6, App. I	<i>Ceti</i> 499	3 ^h 2 ^m 47 ^s	7° 0'	162° 6'	80.98	7.0... 7.0	1835.59	Σ 3	White
1584	β 1030	W ² III ^b . 5	3 12	21 17	164.6	0.58	8.4... 8.4	1888.83	β 3	
1585	H 661	....	3 31	6 32	315±	4±	10 ... 13	1820+	H	
1586	H 1132	DM (66°) 249	3 48	66 33	20.0	8±	9-10... 10	1828+	H	"Neat"
1587	H 2174	SD (9°) 601	3 51	- 9 3	199.5	15±	9-10... 10	1830+	H	
1588	Glaserapp 1	DM (14°) 525	4 8	14 40	267.2	4.02	9.3... 9.4	1893.00	Gla 2	
1589	H 3551	....	4 15	-14 26	134.6	15±	9 ... 10	1835.89	H	
1590	H V. 117	DM (21°) 418	4 17	21 58	317.5	34.80	....	1783.65	H 1	
1591	Ho 500	DM (35°) 643	4 19	35 38	35.7	0.46	8.5... 9	1896.95	Ho 1	(A. N. 3557) (See p. 1061)
1592	Σ 344	DM (84°) 61	4 23	84 13	145.0	2.53	8.9... 9.7	1833.23	Σ 4	
1593	Hu 605	SD (14°) 610	4 31	-14 19	64.2	2.58	9.0... 11.5	1901.92	Hu 3	
1594	Σ 360	DM (36°) 650	4 32	36 46	146.4	1.34	7.8... 8.0	1831.20	Σ 3	Yel'sh
1595	Σ 343	Redhill 458	4 38	83 37	325.4	22.66	8.0... 8.8	1832.59	Σ 3	Yel'sh
1596	Σ 361	W ² III ^b . 43	4 42	36 33	12.5	9.90	8.3... 11.0	1830.73	Σ 3	
1597	Ho 501	W ² III ^b . 49	4 52	34 32	205.8	7.75	8 ... 12	1896.98	Ho 2	
1598	O Σ 51	Rad ¹ . 894	4 53	43 50	300.0	1.40	7.9... 8.1	1848.83	O Σ 4	White
1599	O. Stone 6	....	4 57	-23 11	357.4	3.77	10 ... 10	1875.95	Cin 1	
1600	H 2175	DM (54°) 652	5 7	54 18	26.4	12±	9-10... 10	1830+	H	
1601	β 1176	<i>Cephei</i> 48 (Hev.)	5 9	77 17	277.6	1.18	5.7... 12.5	1890.65	β 3	A and B }
					227.9	10.95	... 13.3	1890.63	β 2	A and C }
1602	β 400	<i>Eridani</i> 103	5 18	- 4 16	53.1	22.19	6.4... 12.0	1879.01	β 3	
1603	Hu 543	DM (49°) 877	5 33	49 56	120.8	0.47	8.5... 12.5	1902.70	Hu 3	(Bul. L. O. No. 27)
1604	H 3244	....	5 34	18 26	92.7	7±	11 ... 11-12	1831+	H	
1605	Σ 364	W ² III ^b . 72	5 49	38 42	310.5	11.41	8.5... 8.5	1829.99	Σ 2	White
1606	A. G. 63	DM (36°) 660	6 7	37 5	128.9	5.28	9.4... 9.6	1902.63	β 2	
1607	Espin 11	DM (56°) 798	6 37	56 41	65.7	10.85	5.5... 13.7	1899.95	Es 1	(A. N. 3717) (See p. 1061)
1608	H 663	94 <i>Ceti</i>	6 39	- 1 39	255±	6±	5 ... 19	1820+	H	
1609	H 3554	L 5959	6 42	- 3 22	348.3	18±	8½... 11	1836.8	H	
1610	Σ 362	O. Arg. N. 3583	6 43	59 35	142.3	6.91	7.7... 8.0	1831.54	Σ 3	A and B }
					42.2	26.00	... 10.3	1893.01	Gla 1	A and C }
					241.7	35.27	... 9.7	1866.15	Δ 3	A and D }
1611	Σ 365 rej.	SD (4°) 548	6 50	- 4 41	....	Cl. II	8-9... 9	....	Σ	
1612	H 3555	12 <i>Eridani</i>	6 58	-29 28	306.1	3±	4 ... 7	1834+	H	Yel'sh wh.: green
1613	H 662	....	6 59	35 27	195±	15±	10 ... 11	1820+	H	
1614	O Σ 52	B. A. C. 990	7 2	65 13	153.4	0.50	6.4... 7.0	1846.85	O Σ 4	
1615	Ku 13	DM (44°) 646	7 7	44 25	61.4	5.27	9.7... 9.9	1901.59	Ku 2	Kustner (3821)
1616	Hu 544	DM (50°) 725	7 14	50 30	97.7	0.60	6.5... 8.8	1902.66	Hu 3	(Bul. L. O. No. 27)
1617	β 530	<i>Arietis</i> 161	7 18	22 30	41.5	48.88	7.0...	1879.21	β 4	A and B }
					195.8	1.77	9.7... 10.4	1879.21	β 4	B and C }
1618	H 2176	....	7 24	75 5	67.2	7±	9-10... 13	1830+	H	
1619	Ho 502	W ² III ^b . 111	7 26	35 17	15.9	0.54	8.5... 9	1894.96	Ho 1	(A. N. 3557) (See p. 1061)
1620	H 2178	....	7 28	20 31	211.8	15±	10-11... 11	1830+	H	
1621	See 22	Cord. DM (30°) 1227	7 36	-30 30	338.7	0.95	8 ... 9.7	1897.72	See 1	
1622	A. G. 64	DM (38°) 677	7 49	38 14	246.5	8.76	9.4... 9.5	1902.63	β 2	
1623	Σ 367	DM (0°) 542	7 52	0 18	101.4	0.95	8.0... 8.0	1831.72	Σ 3	Yel'sh: wh.
1624	β 529	L 6006	8 9	- 9 1	220.0	2.40	8.0... 12.0	1877.89	β 2	
1625	Weymouth	....	8 12	37 38	262.0	0.81	10 ... 10.5	1902.68	A 1	
1626	H 332	W ² III ^b . 139	8 22	32 25	110±	15-20	7 ... 20	1820+	H	
1627	Ho 503	L 5984	8 30	34 15	99.2	30.83	6.5... 12	1896.50	Ho 3	(A. N. 3557) (See p. 1061)
1628	H 1133	Rad ¹ . 909	8 35	69 19	199.7	20±	6 ... 12	1828+	H	
1629	Σ 363	DM (77°) 117	8 45	78 5	312.8	26.23	8.5... 8.7	1831.45	Σ 3	White
1630	Σ 370	DM (32°) 594	9 11	32 12	311.8	17.06	8.2... 10.3	1830.27	Σ 3	8.2 yel.
1631	H 3557	L 6037	9 12	-14 53	9.9	20±	7½... 12	1835.9	H	
1632	H 3558	SD (14°) 628	9 19	-14 28	150±	12±	10 ... 10	1836.9	H	
1633	Σ 369	W ² III ^b . 157	9 21	40 2	28.8	3.25	6.5... 7.8	1829.55	Σ 3	Yel'sh wh.: bluish wh.
1634	H 2182	....	3 9 29	5 20	93.5	15±	10 ... 12	1830+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
1635	H 2180	....	3 ^h 9 ^m 30 ^s	51° 30'	225° 8	15' ±	10 ... 11	1830+	H	
1636	H 2181	....	9 31	18 44	82.6	15 ±	10 = 10	1830+	H	
1637	H 2183	....	9 38	- 9 49	203.5	6 ±	10 ... 11	1830+	H	
1638	Hu 545	DM (48°) 879	9 43	48 49	80.4	3.56	8.5... 9.3	1902.70	Hu 3	(Bul. L. O. No. 97)
1639	OΞ 53	L 6020	9 59	38 12	273.1	0.68	7.2... 8.0	1845.49	OΞ 2	White
1640	β 84	W ¹ III ^b . 147	10 5	- 6 22	10.3	0.44	7.2... 7.4	1875.85	Δ 5	
1641	Σ 371	L 6023	10 23	46 35	74.7	3.35	8.3... 10.3	1831.20	Z 3	Yel.
1642	Σ 368	DM (67°) 259	10 30	68 4	342.1	2.33	8.5... 8.5	1831.79	Z 4	White
1643	H 1134	....	10 55	27 56	51.8	4 ±	11 ... 13	1828+	H	
1644	β 1039	L 6084	11 0	7 13	209.4	1.87	7.0... 13.0	1889.00	β 3	
1645	H 2179	....	11 2	74 53	341.2	18 ±	10 ... 10+	1830+	H	
1646	Σ 372	DM (45°) 738	11 4	45 31	290.4	7.35	9.3... 10.2	1830.86	Z 3	
1647	H 3561	SD (20°) 610	11 15	-20 23	135.3	12 ±	8½... 12	1835.9	H	
1648	H 3563	Cond. DM (23°) 1306	11 52	-23 28	246.5	7 ±	8½... 8½	1835.9	H	
1649	Hu 432	SD (14°) 639	12 7	-14 33	46.2	0.16	9.2... 9.2	1901.87	Hu 2	(Bul. L. O. No. 21)
1650	A. Clark 2	95 Ceti	12 12	- 1 22	73.1	0.7 ±	6 ... 10	1854.81	Da 3	
1651	Hu 19	SD (11°) 632	12 14	-11 0	300.3	3.29	8.6... 11.1	1899.98	Hu 4	(A. J. 480)
1652	Σ 373 rej.	L 6045	12 15	62 18	117.3	19.79	7.0... 9.3	1875.67	Δ 3	A and B }
					110.0	117.68	... 7.1	1875.67	Δ 3	A and C }
1653	A 457	SD (6°) 644	12 18	- 6 51	107.5	0.77	9.1... 9.2	1903.77	A 3	(Bul. L. O. No. 50)
1654	H 2184	....	12 21	53 19	44.3	10 ±	10 ... 11	1830+	H	
1655	β 1294	DM (46°) 734	12 24	46 15	227.8	6.24	8.8... 8.9	1901.69	β 3	
1656	Innes 341	O. Arg. 8. 2179	12 28	-19 31	163.0	3.86	....	1901.08	I 2	
1657	β 1177	DM (-1°) 473	12 45	- 1 28	24.7	0.38	9.1... 9.1	1890.82	β 3	
1658	Hu 433	DM (21°) 439	12 59	21 17	47.7	0.50	9.1... 10.8	1901.99	Hu 3	(Bul. L. O. No. 21)
1659	See 23	15 Eridani	13 4	-22 57	289.9	0.30	4.7... 7.3	1897.73	See 1	
1660	Σ 374	O. Arg. N. 3669	13 11	67 2	294.7	10.78	7.0... 8.5	1831.30	Z 2	Wh.: ash
1661	H 3565	Eridani 129	13 12	-19 0	110.4	5.8	5 ... 9	1835.8	H	
1662	Ho 319	W ¹ III ^b . 237	13 18	44 57	45.4	11.94	8 ... 12.3	1892.48	Ho 3	(A. N. 3733)
1663	Σ 375	L 6127	13 19	23 15	317.5	2.03	8.0... 10.1	1832.97	Z 4	8.0 wh. (See p. 1061)
1664	Σ 376	W ¹ III ^b . 258	13 28	19 18	251.2	6.78	7.9... 8.0	1830.81	Z 5	Very white
1665	H 2185	....	13 29	55 31	257.0	4½ ±	11 ... 12	1830 ±	H	
1666	A. G. 65	DM (32°) 608	13 30	32 47	....	....	7.8... ..	....	....
1667	A 458	SD (6°) 652	13 40	- 6 24	100.6	1.30	9.0... 11.2	1903.72	A 3	(Bul. L. O. No. 50)
1668	Σ 377	DM (18°) 461	13 43	18 45	115.4	0.82	8.3... 8.7	1831.66	Z 3	A and B }
					223.3	25.55	... 11.5	1829.90	Z 1	AB and C } AB wh.
1669	Espin 52	DM (60°) 673	13 48	60 19	285.7	6.1	8.6... 12.0	1901	Es	(A. N. 3784)
1670	A. G. 66	DM (21°) 442	13 50	21 13	285.3	3.82	9 ... 11	1902.70	M 3	(See p. 1061)
1671	H 3245	....	13 56	17 10	96.8	5 ±	11 ... 13	1831+	H	
1672	H 3246	DM (17°) 534	13 58	17 14	173.1	14 ±	9-10... 13	1831+	H	
1673	Jacob 1	τ ⁴ Eridani	14 12	-22 12	287.0	5.47	4½... 10.7	1857.95	J 2	A and B }
					99.3	39.97	... 10.5	1877.81	β 1	A and C }
1674	Hu 434	DM (21°) 443	14 39	21 20	157.0	0.22	9.0... 9.5	1901.96	Hu 4	(Bul. L. O. No. 21)
1675	H 3567	....	14 41	-14 26	100 ±	3 ±	10½... 12	1836.9	H	
1676	Ho 320	W ¹ III ^b . 235	14 41	0 44	167.5	1.17	8.0... 10.5	1890.13	Ho 2	
1677	Σ 378	DM (57°) 721	15 0	58 0	313.2	18.59	8.2... 9.5	1830.72	Z 2	
1678	Σ 380	DM (8°) 500	15 17	8 20	90.1	1.20	8.3... 9.3	1831.62	Z 3	
1679	Σ 379	W ¹ III ^b . 293	15 31	29 23	102.7	10.13	8.5... 8.5	1830.05	Z 3	White
1680	Espin 53	DM (59°) 650	15 42	59 7	....	2.5 ±	9.3... 9.8	1901	Es	(A. N. 3784)
1681	Hu 20	SD (11°) 646	15 47	-11 39	227.3	0.35	8.6... 8.8	1900.05	Hu 2	(A. J. 480)
1682	H 3570	L 6252	16 18	-20 45	....	....	6 ...	1835.9	H	
1683	Σ 381	P. III ^b . 46	16 24	20 33	91.0	0.82	7.0... 8.7	1830.16	Z 4	7.0 yel.
1684	H 3569	W ¹ III ^b . 265	16 27	-13 42	210.5	18 ±	9½... 11	1836.8	H	
1685	Ku 14	DM (29°) 557	16 58	29 51	163.4	3.66	9.4... 9.8	1901.44	Ku 2	Kustner (381)
1686	Σ 382	Persei 146	16 59	33 7	154.5	3.55	7.0... 10.5	1831.70	Z 3	7.0 yel'ish
1687	β 742	3 17 :	48 50	

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Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
1688	H III. 91	....	3 ^h 17 ^m : 2	28° 0'	102.4	11.28	....	1783.66	H 1	
1689	β 1178	Tauri 7	17 20	4 27	347.8	0.99	6.6...12.3	1890.89	β 3	(See p. 106a)
1690	Ho 321	L 6233	17 23	45 5	35.6	1.48	7.5...10	1893.17	Ho 1	(A. N. 3933)
1691	Σ 383	W ^o III ^b . 337	17 25	17 8	120.1	5.69	8.0... 9.0	1830.35	Z 4	Yellowish wh.: wh.
1692	β 531	L 6275	17 26	- 8 13	60.1	2.43	6.7...12.3	1877.92	β 2	
1693	H 2187	W ^o III ^b . 280	17 32	-11 47	239.5	50±	9 ...12	1830+	H	
1694	H 2188	W ^o III ^b . 282	17 36	-10 40	47.6	18±	9 ...10	1830+	H	Yellow: blue
1695	Ho 322	DM (45°) 764	17 46	45 10	116.5	1.27	9.0... 9.5	1893.28	Ho 1	(A. N. 3933)
1696	Σ 387 rej.	....	17 47:	-11 38:	....	Cl. IV	8 ...10	....	....	(See p. 106a)
1697	H 2186	....	18 38	52 7	338.3	3±	12 ...13	1830+	H	
1698	Σ 384	DM (59°) 658	18 46	59 29	267.5	1.99	7.8... 9.0	1830.57	Z 3	Golden: blue
1699	β 12	L 6313	18 47	-14 25	271.8	2.35	7.5...10.4	1875.40	β 4	
1700	H 3572	O. Arg. 8. 2248	18 52	-26 39	274.3	20±	8=8	1835.9	H	B = O. Arg. 8. 2247
1701	Σ 386	DM (54°) 682	18 55	54 45	58.8	2.52	8.8... 8.8	1830.58	Z 3	White
1702	Schj. 2	L 6327	19 19	- 1 35	183.4	17.20	8.0... 9.0	1879.66	Cin 1	
1703	Σ 385	B. A. C. 1058	19 20	59 31	161.4	2.36	4.7... 9.0	1829.94	Z 3	4.7 wh.
1704	Holmes	....	20 :	59 30	49.9	5.40	8.6...10.0	1901.62	Es 3	
1705	Σ 388	DM (49°) 941	20 1	50 1	210.0	2.92	8.2... 9.2	1831.85	Z 3	White
1706	Hu 21	SD (13°) 645	20 11	-13 29	41.1	1.46	8.5... 9.3	1900.11	Hu 3	(A. J. 480)
1707	Σ 393	DM (-1°) 495	20 11	- 1 27	259.8	16.00	8.0...10.7	1834.55	Z 2	8.0 yellowish wh.
1708	Σ 389	DM (58°) 608	20 31	58 57	61.8	2.80	7.0... 8.0	1831.00	Z 4	Wh.: purplish
1709	β 1179	34 Persei	20 47	49 6	163.4	0.68	5.9...11.6	1890.64	β 4	
1710	O Σ 54	L 6276	20 50	67 10	354.5	25.82	7.2... 8.5	1850.08	O Σ 4	
1711	Σ 390	Camelop. 4 (Hev.)	20 51	55 2	159.6	15.03	4.8... 9.2	1832.04	Z 6	4.8 greenish wh.
1712	H 3574	....	20 57	-21 56	95±	....	....	1835.9	H	
1713	Σ 391	W ^o III ^b . 397	21 0	44 38	94.8	3.79	7.3... 8.0	1831.55	Z 3	Wh.: purplish
1714	A. G. 67	DM (39°) 790	21 3	39 46	348.7	23.27	7.6...10.0	1902.63	β 2	
1715	O Σ 55	L 6336	21 4	46 31	292.1	26.15	6.2...11.0	1867.59	β 3	6.2 white
1716	Σ 394	W ^o III ^b . 412	21 6	20 3	163.3	6.69	7.0... 8.0	1828.74	Z 3	Yellowish: bluish
1717	Espin —	DM (49°) 946	21 10	49 36	296.7	19.42	9.1... 9.3	1900.11	Es 2	(A. N. 3717)
1718	Σ 392	DM (52°) 699	21 23	52 29	346.4	25.87	7.5... 9.7	1831.23	Z 2	7.5 yellow.
1719	Σ 395	W ^o III ^b . 414	21 26	28 39	106.4	1.92	8.5...10.0	1832.36	Z 3	8.5 yellowish wh.
1720	β 878	66 Arietis	21 28	22 23	78.0	1.10	6.0...12.2	1881.06	β 2	
1721	Kr 20	A. G. Hols. 3028	21 41	55 32	295.9	7.44	9.5... 9.7	1890.77	β 1	
1722	See 25	Lac. 1102	21 44	-28 59	18.0	9.94	6.5...11.8	1897.73	See 2	
1723	Hu 8	DM (49°) 950	21 57	49 22	176.7	1.90	8.4... 8.8	1881.60	β 3	
1724	β 879	B. A. C. 1076	22 3	10 58	71.1	24.65	6.5...12.5	1878.98	β 3	
1725	β 1180	L 6417	22 23	- 4 59	24.8	0.44	8.3... 9.3	1890.82	β 3	A and B }
					117.9	7.13	...11.5	1890.82	β 3	A and C }
1726	Hu 435	DM (20°) 574	22 32	20 42	334.2	0.51	8.8...12.0	1901.93	Hu 3	(Bul. L. O. No. 21)
1727	H 2189	....	22 48	76 21	345.6	9±	11 ...14	1830+	H	
1728	H 3247	....	23 1	16 40	196.0	3±	12 ...12-13	1831+	H	
1729	O Σ 56 rej.	P III ^b . 66	23 6	47 27	352.2	22.81	6.5...10.0	1867.69	β 3	6.5 white
1730	H IV. 89	L 6436	23 35	19 41	152.0	20.05	....	1783.73	H 1	
1731	Σ 7, App. I	W ^o III ^b . 456, 459	23 48	27 19	233.0	44.04	6.9... 7.4	1836.09	Z 6	Very white
1732	Σ 396	O. Arg. H. 3863	23 55	58 22	241.8	20.37	6.3... 8.0	1829.57	Z 3	White
1733	Σ 401	W ^o III ^b . 466	24 5	27 10	270.0	11.12	6.5... 7.0	1830.96	Z 4	White
1734	Espin 121	DM (57°) 729	24 6	57 51	325.5	6.9	8.0...13.5	1902.	Es 2	(M. N. LXIII, 179)
1735	Σ 397	DM (59°) 671	24 8	60 10	42.6	5.12	8.7...10.5	1829.57	Z 3	(See p. 106a)
1736	Hu 101	DM (51°) 746	24 13	51 35	247.3	0.74	9.4... 9.5	1900.20	Hu 2	(A. J. 485)
1737	Σ 407	L 6490	24 16	-11 33	39.0	2.33	8.2...10.7	1833.00	Z 3	8.2 yellow.
1738	Σ 403	W ^o III ^b . 471	24 19	19 22	181.7	2.91	8.5... 8.5	1829.76	Z 3	White
1739	Σ 404 rej.	DM (21°) 473	24 21	21 23	202.3	28.56	9.1...10.6	1903.80	β 2	A and B }
1740	Σ 405 rej.	DM (21°) 474	24 28	21 23	55.9	26.08	8.9...11.2	1903.80	β 2	C and D }
					47.5	122.65	....	1903.80	β 2	A and C }
1741	H 1136	....	3 24 26	69 47	220.3	8±	10-11=10-11	1828+	H	"Neat"

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
1742	Σ 406	DM (4°) 544	3 ^h 24 ^m 28 ^s	4° 45'	124° 1'	9'.36	7.0... 9.0	1836.92	Z 3	7.0 white
1743	Σ 408	SD (4°) 609	24 42	- 4 41	347.5	1.37	8.0... 8.2	1831.97	Z 3	White
1744	Σ 398	....	24 43	57 53	330.9	9.93	10.3... 10.3	1829.57	Z 3	
1745	H 2190	....	24 52	72 11	320.0	7±	13 ... 14	1830+	H	"Close to neb. III, 694"
1746	H 2194	DM (1°) 611	25 11	1 7	127.5	22±	10 ... 10-11	1830+	H	
1747	Σ 400	DM (59°) 675	25 12	59 38	282.6	1.53	7.0... 8.0	1829.94	Z 3	Yel'sh wh.; bluish wh.
1748	Hn 65	SD (6°) 692	25 24	- 6 6	3.8	3.87	9.4... 9.8	1888.08	Com 2	
1749	H 2192	DM (53°) 678	25 27	53 10	210.8	18±	9-10... 11	1830+	H	
1750	A. G. 68	A. G. Ltp. 1035	25 37	11 8	248.5	18.27	7.5... 9.5	1895.18	Lp 1	
1751	β 787	L 6473	25 49	48 13	228.5	2.05	8.0... 12.0	1881.69	β 3	
1752	Σ 402 rej.	L 6435	25 40	62 53	....	Cl. IV	8 ... 10	....	....	From Cat. Nov.
1753	H IV. 44	....	25 42:	11 0	....	....	....	....	....
1754	Ho 14	W ^o III ^b . 506	25 57	27 52	21.1	1.82	8.2... 8.7	1883.50	Ho 2	
1755	OE 57	L 6516-7	26 20	22 58	318.4	10.01	7.5... 11.0	1854.08	OZ 4	A and B } AC yel.; bluish
					35.0	71.39	... 7.0	1854.08	OZ 4	A and C }
1756	Σ 411 rej.	SD (7°) 618	26 22	- 7 30	90.0	18±	8-9... 10	1830+	H	A and B }
					26.8	25±	... 16	1830+	H	A and C }
1757	H 334	DM (31°) 614	26 28	31 41	140±	8±	9 ... 12	1820+	H	
1758	A. G. 69	A. G. Alb. 1020	26 57	3 44	353.7	6.09	9.0... 9.5	1903.11	Cg 3	
1759	β 788	DM (42°) 786	27 9	42 11	306.2	2.78	8.3... 10.5	1881.69	β 4	A and B }
					82.2	34.44	... 8.8	1881.69	β 4	A and C }
1760	See 26	Lac. 1128	27 16	-25 1	180±	0.17±	6 ... 6	1897.75	See	
1761	Σ 412	7 Tauri	27 20	24 4	269.9	0.69	6.6... 6.7	1830.38	Z 5	A and B } AB
					63.0	22.41	... 10.0	1830.92	Z 4	AB and C } yel'sh
1762	β 532	L 6585	27 25	-10 27	266.7	3.05	7.7... 12.5	1877.29	β 3	
1763	Σ 417 rej.	SD (3°) 572	27 27	- 2 57	....	Cl. IV	8 ... 9	....	Z	
1764	Σ 410	W ^o III ^b . 534	27 32	31 37	208.8	5.42	7.8... 11.8	1831.52	Z 3	7.8 yel'sh
1765	See 27	O. Arg. 8. 2344	27 32	-19 40	351.1	0.34	8.2... 8.8	1897.83	See 1	
1766	Σ 414	L 6568	27 33	19 24	185.6	7.09	8.0... 8.0	1829.76	Z 3	White
1767	H 2191	....	27 37	78 18	313.6	18±	10 ... 10+	1830+	H	
1768	H 2193	....	27 38	72 55	250.8	8±	11 = 11	1830+	H	
1769	Hn 207	SD (13°) 681	27 45	-13 25	311.2	0.89	8.5... 9.5	1900.10	Hu 2	(A. J. 494)
1770	Σ 413	W ^o III ^b . 547	27 55	33 17	130.3	2.47	8.5... 8.5	1831.51	Z 3	White
1771	Σ 416 rej.	DM (19°) 556	28 2	19 24	44.7	25±	9 ... 10	1830+	H	Red: blue
1772	Σ 415	W ^o III ^b . 563	28 7	26 27	51.0	15.09	8.3... 10.0	1830.57	Z 3	8.3 yel.
1773	Hn 102	DM (48°) 959	28 8	48 16	61.3	3.06	9.1... 10.5	1900.20	Hu 2	(A. J. 483)
1774	β 533	B. A. C. 1101	28 9	31 17	66.1	0.43	7.0... 7.0	1878.67	β 1	
1775	Espin 54	DM (48°) 960	28 38	48 41	249.0	4.0	9.1... 11.5	1901	Es	(A. N. 3764)
1776	β 1040	L 6591	28 49	29 35	337.0	3.54	8.0... 11.7	1888.91	β 3	
1777	H 1137	....	29 6	71 0	11.7	10±	11 ... 13	1828+	H	
1778	Hn 9	O. Arg. W. 3946	29 11	47 43	62.8	1.33	8.5... 8.5	1881.60	β 3	
1779	Σ 420	W ^o III ^b . 591	29 24	23 31	111.3	6.47	8.5... 10.8	1831.71	Z 3	8.5 yel'sh
1780	H III. 78	....	29 24:	18 27:	357.9	7.17	....	1783.05	H 1	
1781	OE (App) 36	Rad ^r . 1013	29 26	63 29	70.2	45.83	6.3... 7.3	1875.83	Δ 3	
1782	H 2195	....	29 53	5 49	356.0	25±	10 ... 12	1830+	H	
1783	S 430	L 6614	30 2	44 25	94.6	41.51	7½... 8	1823.98	S 2	
1784	H 2196	....	30 9	5 51	83.5	30±	10 ... 12	1830+	H	
1785	See 28	Cord. G. C. 3943	30 19	- 29 29	103.2	10.24	7.3... 11.9	1897.72	See 1	
1786	H 3249	....	30 29	17 39	98.4	3½±	13 ... 13+	1831+	H	
1787	Σ 422	P III ^b . 98	30 38	0 12	232.2	6.13	6.0... 8.2	1832.75	Z 3	Golden: blue
1788	Σ 419	O. Arg. W. 3958	30 43	69 27	73.0	3.13	7.2... 7.2	1828.03	Z 3	Very white
1789	Σ 418	DM (74°) 167	30 52	75 0	61.8	16.10	8.5... 9.2	1831.45	Z 3	Yel.
1790	H 664	....	31 16	6 25	245±	15±	10 ... 11	1820+	H	
1791	H 2197	....	31 40	50 18	42.8	3±	9-10... 11	1830+	H	"Neat"
1792	Σ 424	DM (27°) 540	31 54	27 34	312.5	9.51	8.5... 10.5	1829.67	Z 2	8.5 white
1793	OE 60	L 6677	3 31 59	24 19	Obl?	7 ...	1841.79	OZ 1	

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Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
1794	A 459	SD (8°) 685	3 ^h 32 ^m 0 ^s	— 8° 3'	3°5	1'.34	8.8...13.2	1903.83	A 3	(Bul. L. O. No. 50)
1795	β 308	W ² III ^b . 564	32 4	— 8 2	329.9	1.50	8.7... 9.7	1876.84	Δ 3	
1796	Hu 22	SD (12°) 680	32 12	—11 56	88.3	0.64	8.5... 9.2	1900.10	Hu 2	(A. J. 480)
1797	OΣ 59	L 6668	32 19	45 38	349.5	2.43	7.5... 7.8	1850.61	OΣ 4	
1798	H 3583	....	32 22	—20 52	89.0	12±	10½=10½	1836.8	H	
1799	Σ 425	W ² III ^b . 657	32 32	33 44	104.6	2.87	7.3... 7.3	1830.16	Σ 3	Very white
1800	H 3250	W ² III ^b . 676	32 38	16 9	142.3	30±	7 ...16	1831+	H	
1801	β 1231	DM (65°) 359	32 45	65 36	15.1	2.64	8.2...12.5	1891.84	β 5	A and B }
					252.4	83.75	... 8.3	1891.84	β 5	A and C }
1802	Webb	P III ^b . 97	32 50	59 35	34.3	55.64	6 ... 9	1863.02	Kn 1	Orange: blue
1803	β 1181	L 6685	32 54	45 30	270.5	0.35	8.1... 8.3	1890.66	β 3	
1804	H 2198	....	32 55	54 13	309.2	35±	9 ... 9	1830+	H	"Fine"
1805	Σ 426	W ² III ^b . 669	32 55	38 44	340.6	19.74	7.0... 8.5	1829.97	Σ 2	White
1806	H 335	....	32 59	29 59	85±	12±	11 ...11+	1820+	H	
1807	β 534	L 6741	33 1	— 8 54	195.3	2.40	7.5...11.1	1879.24	β 4	
1808	H0 323	DM (28°) 560	33 9	28 14	214.2	16.03	8 ...13	1891.75	H0 3	(A. N. 3233)
1809	H 1138	....	33 18	67 59	322.2	10±	10 ...12	1828+	H	(See p. 1062)
1810	Σ 427	Tauri 34	33 18	28 23	208.6	6.68	6.6... 7.4	1831.09	Σ 4	Wh.: bluish wh.
1811	Hu 813	DM (20°) 607	33 23	21 1	289.3	3.45	7.5...15.0	1902.03	Hu 1	(See p. 1062)
1812	Σ 421	DM (71°) 216	33 32	71 14	235.1	12.40	7.0...11.0	1829.28	Σ 2	7.0 white
1813	Σ 429 rej.	DM (28°) 563	33 58	28 9	....	Cl. III	8 ...11	....	....	From Cat. Nov.
1814	Σ 430	Tauri 39	34 8	4 44	55.3	26.57	6.0... 9.0	1831.23	Σ 3	A and B }
					301.9	39.40	... 9.8	1831.23	Σ 3	A and C }
1815	H 2199	DM (20°) 609	34 14	20 49	129.5	15±	9-10...10	1830+	H	6.0 very yel.
1816	Σ 433 rej.	....	34 19	— 8 28	114.5	90±	9-10... 9-10	1830+	H	From H(V)
1817	A. G. 70	DM (36°) 735	34 31	36 53	26.4	6.78	9.4... 9.5	1902.70	β 2	
1818	Σ 431	40 Persei	34 46	33 35	237.2	20.01	4.2... 9.5	1830.17	Σ 3	4.2 greenish white
1819	A. G. 71	A. G. Chris. 624	34 47	65 43	242.9	7.99	9.4... 9.5	1891.84	β 2	
1820	H 336	W ² III ^b . 723	34 54	32 33	306±	25±	8 ...10	1820+	H	
1821	Σ 436	SD (13°) 713	35 11	—13 0	232.4	30.21	7.0... 8.2	1832.51	Σ 4	7.0 white
1822	H 2201	L 6810	35 13	— 5 41	32.6	40±	8 ... 9	1830+	H	(See p. 1062)
1823	A. G. 72	DM (29°) 595	35 22	29 53	104.5	6.33	9.3... 9.6	1903.81	M 2	
1824	Σ 428 rej.	DM (70°) 254	35 26	70 10	141.4	20±	9 ...11	1830+	H	From H(V)
1825	β 1182	L 6759	35 30	48 8	261.2	4.37	6.4...14.2	1890.62	β 3	A and B }
					242.6	19.27	...13.5	1890.62	β 3	A and C }
1826	Σ 435	DM (25°) 593	35 56	25 18	1.6	12.91	7.3... 8.8	1832.00	Σ 5	White: ash
1827	Σ 434	W ² III ^b . 750	36 6	38 0	88.2	28.34	7.0... 7.8	1830.59	Σ 3	Golden: bluish wh.
1828	OΣ 61 rej.	L 6847	36 19	7 31	125.5	1.93	7.0...10.0	1867.05	Δ 3	7.2 white
1829	Σ 438	W ² III ^b . 765	36 27	22 21	241.4	1.70	8.5...10.5	1832.51	Σ 3	
1830	Hu 436	SD (17°) 715	36 36	—17 31	288.2	1.27	7.5... 9.0	1901.90	Hu 3	(Bul. L. O. No. 21)
1831	Hu 103	DM (49°) 1014	36 37	49 29	207.7	0.84	8.1... 8.4	1900.20	Hu 2	(A. J. 485)
1832	Σ 437	DM (31°) 641	36 39	31 44	128.6	11.14	9.0... 9.0	1830.99	Σ 2	White
1833	H 2202	....	36 40	— 0 8	90.0	20±	10-11...12	1830+	H	
1834	β 535	o (38) Persei	36 47	31 54	56.8	0.83	4.0... 8.5	1878.25	β 4	(See p. 1062)
1835	H0 504	L 6830	36 51	35 28	185.3	0.75	7.8... 8	1896.97	H0 2	(A. N. 3557)
1836	β 880	DM (31°) 634	37 3	31 47	353.7	0.45	8.7... 8.9	1880.90	β 2	A and B }
					38.1	23.20	8.0... 9.2	1830.99	Σ 2	AB and C }
1837	Hn —	DM (23°) 501	37 4	23 39	131.2	6.10	14 ...14?	1875.82	Hn 1	(AC = Σ 439)
1838	Barnard 3	DM (23°) 502	37 8	23 43	147.3	1.52	9.6... 9.8	1891.97	β 3	
1839	β 1041	W ² III ^b . 793, 798	37 19	27 31	38.3	122.63	6.2... 6.3	1875.42	Δ 3	A and B }
					347.8	7.87	...12.8	1888.91	β 3	B and C }
1840	A. G. 73	DM (40°) 829	37 22	40 9	296.8	19.67	9.1... 9.4	1902.73	β 3	
1841	β 1183	B. A. C. 1142	37 36	45 18	139.9	6.48	6.3...14.7	1890.65	β 3	
1842	Σ 441 rej.	O. Arg. N. 4085	37 36	47 38	....	III-IV	8 ...10	....	Σ	
1843	H 2200	γ Camelopardali	37 41	70 58	237.5	55±	5-6...13	1830+	H	
1844	Σ 440	DM (50°) 818	3 37 53	50 47	225.2	2.64	9.2... 9.5	1830.89	Σ 3	

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Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
1845	Σ 442	DM (22°) 538	3 ^h 37 ^m 55 ^s	22° 21'	271.7	2.50	9.0... 9.5	1832.51	Σ 3	
1846	A 48	SD (4°) 655	37 56	- 4 40	33.4	3.15	8.5... 13.4	1900.09	A 4	(A. N. 3668)
1847	Hu 23	SD (13°) 724	38 5	-13 40	87.3	1.12	9.0... 9.1	1900.05	Hu 3	(A. J. 480)
1848	H 3251	19 Pleiadum	38 5	24 6	332.8	45±	5-6... 10	1831+	H	
1849	OΣ 62	L 6803	38 8	64 23	17.6	0.46	7.8... 8.0	1847.46	OΣ 2	
1850	A 460	SD (9°) 736	38 9	- 9 43	252.1	0.47	9.3... 9.4	1903.85	A 3	(Bul. L. O. No. 50)
1851	Lv 3	SD (13°) 725	38 32	-13 48	358.6	1.08	8.3... 10.2	1888.93	Lv 2	
1852	Howe 8	DM (22°) 544	38 36	22 19	137.3	28.27	8.0... 12.0	1896.66	Cin 1	
1853	Σ 444	15 n Pleiadum	38 43	22 46	339.0	3.28	7.7... 10.7	1832.34	Σ 4	7.7 very wh.
1854	Σ 443	DM (41°) 750	38 47	41 7	44.3	9.08	8.2... 8.8	1830.86	Σ 3	White
1855	H 3588	L 6947	38 59	-11 9	222.9	40±	7½... 9	1835.9	H	
1856	β 536	W ² III ^b . 846	39 8	23 49	336.4	0.44	8.3... 9.3	1878.69	β 3	A and B
					302.4	36.72	... 8.0	1878.70	β 2	AB and C
					11.2	18.17	... 12	1878.67	β 1	C and D
1857	Hu 208	SD (10°) 738	39 9	-10 44	159.0	2.58	9.0... 9.8	1900.07	Hu 1	(A. J. 494)
1858	Hd —	23 Tauri	39 12	23 34	....	....	5 ...	....	....
1859	H 2004	29 Tauri	39 17	5 41	68.0	80±	6 ... 14	1830+	H	
1860	H 1139	Rad ¹ . 1056	39 20	70 7	175.6	40±	8-9... 10	1828+	H	
1861	Ku 15	DM (30°) 573	39 23	30 26	158.0	2.12	9.8... 10.0	1901.04	Ku 1	A and B
					252.4	15.52	... 11.3	1901.04	Ku 1	A and C
1862	H 3252	....	39 24	16 47	299.4	8±	10-11... 12	1831+	H	
1863	Hu 546	DM (51°) 777	39 25	51 40	72.4	0.24	8.5... 8.8	1900.64	Hu 3	
1864	OΣ 63	Rad ¹ . 1064	39 28	50 22	270.2	6.89	6.3... 11.5	1848.91	OΣ 3	6.3 white
1865	S 436	DM (56°) 846	39 45	56 45	74.0	57.71	7 ... 8	1823.99	S 2	
1866	β 537	DM (24°) 563	39 54	24 28	185.9	0.60	8.5... 10.5	1877.91	β 2	
1867	Hd 63	....	40 :	-16 50:	297.9	26.27	10 ... 10.5	1867.08	Hd 1	
1868	Σ 451 rei.	W ¹ III ^b . 748	40 6	-13 42	322.6	20±	9 ... 10	1836.9	H	
1869	Σ 447	DM (37°) 830	40 8	37 58	178.3	26.46	7.8... 9.0	1830.59	Σ 3	7.8 yel'sh
1870	H 5457	....	40 14	33 14	110±	5±	8 ... 15	1823+	H	
1871	Σ 448	DM (33°) 717	40 16	33 14	18.6	3.27	7.2... 9.7	1831.39	Σ 3	7.2 white
1872	Σ 449	DM (24°) 567	40 16	24 17	330.9	6.79	8.5... 11.0	1832.24	Σ 3	
1873	Σ 450	Tauri 79	40 17	23 33	267.2	5.72	8.0... 10.0	1832.24	Σ 3	Yel'sh wh.: ash
1874	H 2205	....	40 19	3 3	146.4	3±	10 ... 11+	1830+	H	
1875	Σ 8, App. I	η Tauri (Alcyone)	40 21	23 44	289.3	117.16	3.8... 7.0	1836.18	Σ 5	A and B
					344.1	85.64	....	1824.00	S 2	B and C
					303.9	74.68	....	1824.00	S 2	B and D
1876	Hu 209	DM (49°) 1032	40 23	50 1	87.6	1.27	8.7... 9.7	1900.61	Hu 3	(A. J. 494)
1877	Σ 446	....	40 25	52 17	252.7	8.54	7.0... 9.2	1830.74	Σ 2	A and B
					41.1	12.73	... 12.2	1892.98	Es 3	A and C
1878	β 1003	O. Arg. 8. 2518	40 25	-28 15	20.5	2.69	8.1... 12.0	1881.54	β 2	
1879	Σ 445	DM (59°) 720	40 39	59 45	253.2	2.96	8.2... 9.2	1831.22	Σ 3	White
1880	β 538	Yar. 1634	40 51	23 44	138.0	2.27	10 ... 11	1877.73	β 1	
1881	H 2203	DM (77°) 136	41 1	77 26	70.3	25±	9-10... 11	1830+	H	
1882	β 1184	DM (21°) 526	41 14	22 0	272.3	0.62	8.1... 8.3	1890.83	β 3	
1883	β 1105	DM (23°) 554	41 26	23 49	57.7	0.33	9.3... 10.3	1889.62	β 3	
1884	H 2200	....	41 35	52 2	318.5	12±	10 ... 11	1830+	H	
1885	OΣ 516	W ² III ^b . 888	41 35	31 54	40.1	2.35	7.2... 9.2	1854.39	OΣ 4	
1886	Σ 452	30 Tauri	41 41	10 46	57.9	8.90	4.5... 9.6	1830.71	Σ 6	4.5 bluish gr.
1887	Σ 453	27 Tauri (Atlas)	42 1	23 41	29.2	0.35	5 ... 8	1830.	Σ 1	
1888	Σ 456 rei.	DM (1°) 664	42 10	1 13	122.4	18±	9 ... 10	1830+	H	
1889	OΣ (App) 40	W ² III ^b . 903	42 12	24 1	308.2	87.00	6.3... 7.2	1875.01	Δ 3	
1890	Ho 324	W ¹ III ^b . 777	42 14	14 36	341.7	0.48	8.1... 8.3	1890.07	Ho 2	
1891	H 2207	....	42 22	55 3	42.8	10±	10 ... 11	1830+	H	
1892	H 2209	....	42 23	- 9 14	265±	12±	9 ... 10	1830+	H	
1893	H —	42 29	17 57	353.6	7±	12 ... 13-14	1831+	H	
1894	Kr 21	A. G. Heli. 3242	3 42 30	55 39	278.2	4.36	9.8... 10	1890.77	β 1	

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Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
1895	Σ 458	DM (17°) 635	3 ^h 42 ^m 44 ^s	17° 55'	195° 2	4.94	9.0... 9.3	1831.07	Σ 3	
1896	A. G. 74	A. G. Lcp. 1112	42 49	12 33	194.5	12.33	8.7... 10.5	1893.97	Lp 1	
1897	O Σ 64	P III ^b . 165	42 50	23 29	239.0	3.25	7.0... 9.9	1847.16	OZ 4	A and B } 7.0
					237.2	10.58	... 9.0	1847.16	OZ 4	A and C } white
1898	β 1106	....	42 58	23 51	51.7	0.40	11.5... 11.5	1889.59	β 1	
1899	H 3594	O. Arg. S. 2549	43 5	-20 47	87.3	12±	8 ... 14	1835.9	H	
1900	O Σ 65	B. A. C. 1192	43 6	25 13	209.2	0.74	6.5... 6.8	1846.16	OZ 4	
1901	β 539	W ^a III ^b . 809	43 13	-1 53	271.2	2.79	9 ... 11	1877.88	β 2	
1902	H 666	L 7069	43 15	9 3	25±	25±	6 ... 17-18	1820+	II	
1903	Σ 457	DM (22°) 576	43 15	22 19	104.8	1.26	8.8... 8.8	1831.17	Σ 4	White
1904	Hu 814	DM (32°) 669	43 28	32 12	89.0	0.96	8.4... 13.5	1902.75	Hu 1	(See p. 106a)
1905	Σ 459	W ^a III ^b . 929	43 33	29 18	318.3	12.84	7.8... 10.7	1831.38	Σ 3	7.8 yellow
1906	O Σ 66	Rm ^a . 1084	44 0	40 26	136.1	0.48	7.5... 8.0	1846.44	OZ 2	White: olive
1907	β 401	L 7109	44 10	-1 53	254.5	4.65	6.8... 10.8	1877.20	β 3	
1908	H 667	....	44 15	-0 33	90±	4-5	9 ... 12	1820+	H	A and B }
					300±	15±	... 18	1820+	H	A and C }
1909	H 3248	DM (13°) 610	44 36	13 55	30.5	3±	10-11... 13	1831+	H	
1910	H 668	DM (-0°) 608	44 44	-0 32	315±	18±	8 ... 12	1830+	H	
1911	See 33	Cond. DM (22°) 1347	44 44	-22 19	299.2	10.73	7 ... 10.8	1897.72	See 1	
1912	H 3253	DM (25°) 632	44 56	25 52	74.4	18±	9-10... 10-11	1831+	H	B=DM (25°) 633
1913	Σ 455	O. Arg. W. 4210	44 57	69 10	167.4	11.87	8.2... 8.7	1827.75	Σ 2	
1914	H 2210	....	45 23	5 12	333.5	3±	12 ... 13	1830+	H	
1915	Σ 463	DM (-0°) 610	45 26	-0 2	203.5	10.78	8.5... 11.3	1831.97	Σ 3	8.5 yellow
1916	H 3599	SD (19°) 756	45 49	-19 17	66.7	12±	10 ... 10½	1836.8	H	
1917	Σ 461	DM (56°) 856	45 51	56 9	104.7	1.22	8.0... 10.6	1832.21	Σ 5	8.0 yellow
1918	H 2208	O. Arg. W. 4201	46 9	78 42	146.3	12±	9 ... 12	1830+	H	
1919	H 3602	....	46 23	-27 50	347±	4±	10=10	1835.9	H	"Neat double star"
1920	H 3601	O. Arg. S. 2596	46 31	-23 18	303.5	15±	8½... 10	1835.9	H	
1921	Σ 464	ζ Persei	46 35	31 32	207.6	12.48	2.7... 9.3	1830.54	Σ 3	A and B }
					280±	25±	...(17)	1820+	H	A and C }
					198.8	84.38	...(15)	1825.01	S 2	AB 87. wh. ash
					184.6	119.07	...(13)	1824.98	S 2	A and E }
1922	β 743	DM (51°) 802	46 36	51 54	250.2	0.82	8.5... 9.0	1880.06	β 1	
1923	Σ 462	....	46 42	52 1	319.8	7.79	9.0... 10.7	1831.71	Σ 4	
1924	H 338	30 Eridani	46 47	-5 43	135±	10±	5 ... 17	1820+	H	
1925	Hu 66	L 7187	46 48	-8 51	31.2	2.20	8.0... 12.2	1888.81	Com 3	
1926	H 669	DM (34°) 762	46 52	34 57	265±	10±	10 ... 10+	1820+	H	
1927	O Σ 67	Camelop. 9 (Rev.)	46 55	60 45	39.3	1.72	5.0... 8.2	1847.18	OZ 3	Orange: blue
1928	H 2212	SD (6°) 766	46 55	-6 19	302.1	12±	9-10... 12	1830+	H	"A 10 m. star 40" f"
1929	β 1276	L 7190	47 4	-2 12	81.1	0.96	8.7... 9.0	1898.73	β 3	B and C } AB=
					97.7	20.06	8.7... 9.7	1831.40	Σ 3	A and BC } 2.468
1930	Σ 466	SD (2°) 747	47 8	-2 21	59.7	8.08	8.2... 10.5	1831.73	Σ 3	8.2 yellow
1931	Ku 16	DM (50°) 859	47 20	50 47	270.8	2.34	9.8... 10.4	1901.62	Ku 2	Kustner (382)
1932	Hu 606	DM (34°) 766	47 36	34 47	34.5	3.04	8.9... 11.2	1903.06	Hu 3	
1933	S 440	43 Persei	47 41	50 21	30.3	76.93	5 ... 15	1825.01	S 2	
1934	H —	DM (51°) 807	47 43	52 1	85.3	16±	10 ... 11	1830+	H	
1935	H 2213	....	47 47	2 54	10.9	6±	11 ... 14	1830+	H	A and B }
					93.0	10±	... 16	1830+	H	A and C } "C 87.5- cult"
1936	Ho 325	L 7185	47 53	30 41	12.3	21.78	6 ... 12	1891.99	Ho 1	
1937	Σ 465	DM (47°) 915	48 4	47 8	231.7	5.56	8.0... 10.1	1832.70	Σ 4	Yellow wh.
1938	O Σ (App) 41	W ^a III ^b . 900	48 6	4 49	356.9	58.88	7.3... 8.3	1875.30	β 3	
1939	Σ 470	32 Eridani	48 16	-3 19	347.3	6.70	4.0... 6.0	1833.15	Σ 3	Yellow: blue
1940	β 540	DM (31°) 669	48 21	31 48	326.0	1.22	8.1... 11.5	1878.65	β 2	A and B }
					57.2	57.14	... 8.2	1878.70	β 2	A and C }
1941	A 461	SD (7°) 698	48 31	-7 10	33.7	0.23	9.3... 9.6	1903.78	A 3	
1942	H 2214	3 48 32	-10 15	63.2	3±	10-11... 11	1830+	H	

Within 121° of the North Pole

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Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
1943	β 85	W ² III ^b . 1031	3 ^h 48 ^m 34 ^s	17° 17'	216° 9	4'.14	7.9...10.1	1875.66	d 4	
1944	β 263	W ² III ^b . 1028	48 50	32 50	70.6	0.67	8.2... 8.5	1875.93	d 6	
1945	β 541	W ¹ III ^b . 923	48 53	- 1 37	259.8	1.34	8.5...10.5	1877.95	β 1	
1946	Hu 815	DM (21°) 555	48 53	21 25	205.5	2.64	8.0...12.0	1902.12	Ilu 1	(See p. 1062)
1947	Hn 67	L 7249	48 54	-13 4	153.4	2.97	7.8... 8.5	1886.97	LM 4	
1948	Σ 469	Persei 189	49 6	41 32	148.7	9.15	7.2...10.7	1828.70	Σ 2	7.2 white
1949	H 1140	DM (69°) 233	49 31	69 35	115.7	15±	9-10...11	1828+	H	
1950	Σ 471	ε Persei	49 48	39 40	9.2	8.81	3.1... 8.3	1832.59	Σ 5	Green; bluish wh.
1951	Hn 68	....	49 50	-17 19	178.1	8.86	10.0...11.3	1888.63	Com 2	
1952	Σ 460	Cephei 49 (Rev.)	49 57	80 22	355.8	0.86	5.2... 6.1	1836.45	Σ 3	Yel.; blue
1953	A 462	SD (7°) 707	50 21	- 7 18	198.4	1.65	9.0...10.0	1877.86	β 1	AB and C }
					289.1	0.32	9.0... 9.2	1903.80	A 3	A and B }
1954	H0 220	SD (11°) 762	50 29	-11 1	111.3	1.54	8.0...11.0	1890.13	Ho 2	
1955	A 463	SD (6°) 787	50 40	- 6 44	46.6	0.40	9.4... 9.5	1903.88	d 3	(Bul. L. O. No. 50)
1956	H0 505	W ¹ III ^b . 1067	50 44	32 24	194.4	1.12	8 ...10	1897.00	Ho 3	(A. N. 3557)
1957	Hn 69	DM (18°) 565	50 53	18 35	192.0	2.34	9.2... 9.7	1888.10	Com 3	(See p. 1063)
1958	A. G. 75	DM (27°) 609	50 55	27 37	13.7	6.25	9.2... 9.5	1903.81	How 2	
1959	H 2211	DM (78°) 143	50 55	78 6	265.1	10±	8-9...13	1830+	H	(See p. 1063)
1960	Hu 24	DM (11°) 543	51 0	11 9	265.0	1.45	8.5...11.3	1900.09	Hu 2	(A. J. 480)
1961	OΣ 68 rej.	Rad'. 1110	51 3	47 48	175.6	38.88	7.0... 8.1	1867.71	d 3	White
1962	β 543	W ¹ III ^b . 974	51 25	- 1 30	32.0	11.15	8.5...10.5	1877.82	β 1	
1963	Σ 473	DM (9°) 521	51 25	9 17	95.1	16.08	8.7...10.5	1829.16	Σ 2	
1964	Bird 1	O. Arg. N. 4315	51 26	62 10	225±	2±	7.2... 8.5	1872.	....	A and B }
					174±	6±	... 9.5	1872.	....	A and C }
1965	H 2215	DM (52°) 736	51 35	53 2	72±	18±	9-10...9-10+	1830+	H	
1966	OΣ 69	L 7293	51 41	38 29	327.7	1.65	6.4... 9.1	1849.83	OΣ 4	White; ash
1967	Hu 25	DM (11°) 548	51 50	11 47	325.7	0.79	8.6... 9.1	1900.09	Hu 2	(A. J. 480)
1968	A 464	SD (6°) 793	51 50	- 6 46	358.2	0.92	9.0...13.2	1903.86	A 2	(Bul. L. O. No. 50)
1969	Σ 475	SD (7°) 712	52 3	- 7 28	15.9	7.48	8.2...10.6	1831.06	Σ 4	8.2 white
1970	Hn 70	W ¹ III ^b . 996	52 11	- 5 15	272.3	3.42	8.3... 9.2	1888.08	Com 3	
1971	Hu 26	SD (10°) 799	52 16	-10 34	258.3	2.25	9.0... 9.4	1900.04	Hu 3	(A. J. 480)
1972	Hn 71	W ¹ III ^b . 1005	52 21	- 9 15	157.2	4.05	8.8...12.2	1888.37	Com 1	
1973	A 465	A. G. Camb. 1942	52 22	28 28	202.4	1.74	9.0...10.8	1903.82	A 2	(Bul. L. O. No. 50)
1974	H 339	....	52 23	31 58	195±	20±	8 ...12	1820+	H	
1975	H 3608	γ Eridani	52 24	-13 51	233.6	45±	3½...13	1834+	H	
1976	Hu 27	DM (9°) 523	52 26	9 27	210.8	0.55	8.1... 8.5	1899.45	Hu 2	(A. J. 480)
1977	β 1042	L 7372	52 36	- 3 0	93.8	54.93	7.5...	1888'92	β 3	A and B }
					35.1	1.09	8.7... 9.5	1888.92	β 3	B and C }
1978	Hu 28	DM (11°) 552	53 3	11 7	342.1	0.97	9.0... 9.2	1900.07	Hu 1	(A. J. 480)
1979	Hu 29	SD (10°) 808	53 5	-10 40	311.5	0.44	8.5... 8.8	1900.04	Hu 2	(A. J. 480)
1980	Σ 478	W ¹ III ^b . 1016	53 11	11 12	137.2	9.57	8.2... 9.2	1829.75	Σ 3	8.2 white
1981	A. G. 76	A. G. Alb. 1165	53 19	2 20	45±	8±	8.7...	....	....
1982	Σ 472	DM (71°) 229	53 20	71 42	15.3	6.64	9.2... 9.7	1827.75	Σ	
1983	Σ 476	W ² III ^b . 1119	53 36	38 20	283.8	17.58	7.5... 8.7	1831.85	Σ 3	Yel.; blue
1984	Hn 10	DM (47°) 930	53 42	48 3	89.5	4.42	8.5...10.0	1881.60	β 3	
1985	Σ 479	P III ^b . 213	53 50	22 52	128.5	7.41	7.0... 7.9	1831.69	Σ 5	A and B }
					240.5	58.10	... 9.4	1831.69	Σ 4	A and C }
1986	Σ 477	DM (41°) 795	53 53	41 31	213.4	2.98	8.3... 9.3	1830.18	Σ 3	8.3 yel.
1987	H 2216	....	54 1	72 9	214.8	16±	10 ...14	1830+	H	
1988	H 5459	DM (8°) 611	54 6	8 35	257.	9±	9 ...10	1828.0	H	
1989	Hu 210	DM (51°) 835	54 35	51 48	192.7	0.33	9.0... 9.8	1900.86	Hu 2	(A. J. 494)
1990	Σ 481	DM (27°) 618	54 52	27 47	106.6	2.22	7.2...10.8	1832.19	Σ 3	A and B }
					329.2	18.78	... 9.2	1832.19	Σ 5	A and C }
1991	H 3613	SD (14°) 798	54 54	-14 51	147.7	6±	10 ...10½	1835.9	H	"Neat"
1992	H 2218	....	54 55	4 49	....	9±	11 ...12	1830+	H	
1993	Σ 480	O. Arg. N. 4384	3 54 57	55 25	324.2	3.21	8.3... 8.5	1831.22	Σ 3	Yel'ash

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
1994	A. G. 77	DM (22°) 620	3 ^h 54 ^m 57 ^s	23° 0'	171° 7'	1.55	9 ... 10	1902.41	M 3	
1995	H 670	....	55 5	31 50	50±	9±	10 = 10	1820+	H	
1996	Ho 221	DM (54°) 734	55 10	54 45	95.6	4.64	7.0...11.7	1888.54	Ho 2	
1997	Σ 487	W ² III ^b . 1054	55 12	-10 47	8.7	11.93	8.7... 9.2	1831.40	Σ 3	A and B }
					237.4	21.73	...10.3	1831.40	Σ 3	A and C }
1998	OΣ 70	P III ^b . 220	55 14	9 40	227.2	11.93	5.8...11.8	1848.52	OΣ 2	6.3 white
1999	H 2217	....	55 15	52 18	273±	3±	13 ... 14	1830+	H	"if a curious knot of stars,"
2000	Espin 122	DM (61°) 666	55 18	61 50	248.7	5.0	8.6...10.5	1902	Es 2	
2002	A 49	SD (3°) 661	55 21	- 3 15	254.9	1.58	8.8...10.2	1900.12	A 3	(A. N. 3668)
2003	A 466	SD (8°) 769	55 44	- 7 58	252.6	3.46	8.9...13.0	1903.91	A 2	(Bul. L. O. No. 50)
2004	Σ 482	W ² III ^b . 1167	55 49	21 48	124.1	13.33	8.5...10.0	1830.38	Σ 3	8.5 yel.
2005	Hd 64	....	56 :	-15 56	130±	6±	8.3... 9.4	1881.12	Hd 1	
2006	Hd 65	....	56 :	-16 7	127.0	8.99	8.5... 9.5	1867.07	Hd 1	
2007	Σ 483	DM (39°) 918	56 2	39 11	11.6	2.80	8.0... 9.5	1830.52	Σ 3	8.0 white
2008	Espin 55	DM (58°) 698	56 12	58 58	261.3	9.01	8.1...12.5	1901.98	Es 2	
2009	Σ 488 <i>rej.</i>	SD (4°) 721	56 19	- 4 22	33.4	16±	10 ... 11	1830+	H	
2010	Σ 489	SD (7°) 724	56 31	- 7 20	195.1	3.29	8.5... 8.7	1831.06	Σ 3	White
2011	Σ 474	DM (75°) 162	56 55	75 55	145.4	22.55	8.5... 8.5	1831.28	Σ 2	White
2012	H. N. 93	....	57 ±	23 6±	....	Cl. II	....	1793.00	H	
2013	β 544	36 Tauri	57 11	23 46	257.9	25.06	6 ... 12.5	1877.86	β 1	
2014	Σ 485	Rad ¹ . 1131	57 18	62 0	303.3	17.98	6.1... 6.2	1830.24	Σ 5	A and B }
					64.0	48.96	....	1830.87	Σ 3	B and A ² }
2015	Σ 484	....	....	....	132.4	5.42	9.0... 9.5	1830.87	Σ 3	A ² and B ¹ }
					334.3	22.57	... 9.0	1830.87	Σ 3	A ² and C ² }
2016	β 1004	Lac. 1326	57 27	-34 49	154.1	1.79	7.5... 7.9	1881.85	β 3	A and B }
					131.2	62.98	...11.2	1881.86	β 2	A and C }
2017	H 3615	SD (15°) 708	57 34	-15 28	160.6	25±	8 ... 9	1835.9	H	
2018	Hu 547	DM (50°) 901	57 49	50 15	261.1	4.43	8.5...13.0	1902.05	Hu 3	(Bul. L. O. No. 27)
2019	β 1277	DM (27°) 630	58 15	28 4	259.0	1.34	8.0...12.2	1898.84	β 2	A and B }
					69.7	54.53	... 9.2	1898.87	β 3	A and C }
2020	H 3617	SD (12°) 784	58 22	-12 5	61.3	15±	8½...12	1836.9	H	
2021	Hn 72	SD (9°) 806	59 4	- 9 4	33.1	2.03	10.0...10.2	1888.09	Com 3	
2022	OΣ 71	L 7561	59 16	33 7	206.4	0.98	7.0... 9.0	1846.44	OΣ 2	A and B }
					....	20±	...(13)	1820+	H	A and C } White: ash
2023	H 340	....	59 16	32 8	300±	14±	9 ... 11	1820+	H	
2024	Σ 491	DM (10°) 537	59 17	10 39	111.4	2.70	8.2... 8.8	1830.69	Σ 3	Yel ² sh
2025	β 1005	DM (28°) 618	59 20	28 37	62.7	3.35	8.5...11.7	1881.86	β 2	
2026	β 545	L 7556	59 24	37 42	310.0	1.02	8.0...11.5	1878.24	β 4	
2027	OΣ 531	B. A. C. 1264	59 34	37 45	147.9	3.30	6.5... 8.2	1855.55	OΣ 10	Yel.: red
2028	S 443	DM (13°) 642	59 49	14 2	113.9	44.21	9 ... 10	1825.10	S 2	A and B }
					301.2	181.91	... 5?	1825.10	S 1	A and C }
2029	Hu 211	DM (49°) 1106	59 45	49 57	270.8	1.65	8.6...10.3	1900.85	Hu 4	(A. J. 494)
2030	H 2220	DM (56°) 885	59 49	56 7	296.4	14±	9 ... 14	1830+	H	
2031	Σ 492 <i>rej.</i>	W ² III ^b . 1251	4 0 6	41 10	202.3	94.39	6.6...	1900.71	β 2	A and B }
					135.7	5.60	10 ... 10	1900.71	β 2	B and C }
2032	H 2219	....	0 13	51 45	251.7	5±	10-11...13	1830+	H	
2033	Σ 490	O. Arg. N. 4475	0 14	59 50	55.7	4.55	8.5... 9.0	1830.21	Σ 3	White
2034	Σ 493	W ² III ^b . 1146	0 22	5 22	98.1	1.83	8.5... 9.0	1831.68	Σ 3	Yel.
2035	H 3619	....	0 23	-12 6	324±	15±	10 ... 12	1836.9	H	
2036	H 1141	....	0 27	68 49	167.0	12±	10 ... 10	1828+	H	
2037	H 2221	....	0 28	3 5	240±	12±	11 ... 13	1830+	H	
2038	Ho 506	DM (67°) 311	0 33	67 40	72.1	2.08	8.5...10.5	1895.99	Ho 1	(A. N. 3557)
2039	Σ 486	DM (79°) 135	0 42	79 11	338.5	8.86	9.0...10.5	1831.79	Σ 2	(See p. 1063)
2040	Σ 495	Tauri 179	0 54	14 50	216.1	3.64	6.0... 8.8	1830.43	Σ 3	Yel ² sh wh.: bluish
2041	Σ 3114	W ² III ^b . 1273	4 1 3	39 51	190.1	1.92	8.0...10.5	1832.38	Σ 5	8.0 yel ² sh

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
2042	H 2222	....	4 ^h 1 ^m 3 ^s	5° 2'	155° 3	18" ±	11 ... 12	1830+	H	
2043	OZ 72	P III ^b . 249	1 7	17 1	322.8	4.49	6.1... 9.2	1854.51	OZ 5	6.1 golden
2044	β 309	L 7655	1 22	19 25	279.1	5.66	8.0... 11.3	1875.65	Δ 3	
2045	β 1232	W ^a III ^b . 1286	1 26	28 52	350.4	0.30	8.4... 9.3	1891.98	β 3	
2046	Hd 66	SD (16°) 783	1 32	-16 10	261.7	18.52	9.3... 9.5	1868.48	Hd 3	
2047	A 467	SD (6°) 823	1 34	- 6 48	227.1	2.94	9.0... 10.8	1903.83	A 2	(Bul. L. O. No. 90)
2048	A 468	SD (7°) 746	1 36	- 7 17	189.5	0.74	8.5... 9.5	1903.91	A 3	(Bul. L. O. No. 90)
2049	H 2223	DM (0°) 699	1 43	1 0	200.6	12 ±	9-10... 10	1830+	H	Rather fainter (1877.1)
2050	Ho 326	DM (28°) 627	1 44	28 20	346.5	0.29	8.0... 8.0	1890.13	Ho 3	
2051	Σ 494	W ^a III ^b . 1300	1 45	22 47	189.9	5.08	7.7... 7.7	1830.85	Z 3	Very wh.
2052	Ho 327	L 7665	2 3	31 20	321.7	16.26	6.3... 12	1892.07	Ho 2	
2053	Σ 497	DM (8°) 638	2 3	8 8	236.3	14.32	8.5... 10.7	1829.98	Z 2	8.5 yel'sh
2054	Howe 9	O. Arg. 8. 2825	2 13	-29 8	166.4	1.21	8.2... 8.6	1878.05	Cin 1	
2055	A. G. 78	A. G. Lund 2136	2 27	35 59	199.4	17.84	9.1... 9.2	1902.70	β 2	
2056	Hu 301	DM (10°) 541	2 32	10 27	299.8	0.75	8.5... 9.6	1901.39	Hu 3	(Bul. L. O. No. 12)
2057	Σ 501	SD (3°) 690	2 37	- 3 0	296.0	29.44	8.3... 9.5	1831.40	Z 3	
2058	Σ 499	DM (23°) 630	2 54	23 48	291.1	1.64	9.2... 9.3	1833.53	Z 3	A and B }
					279.5	30.29	... 11.2	1833.53	Z 3	AB and C }
2059	β 546	W ^a III ^b . 1323	3 12	41 33	24.3	0.92	8.0... 8.0	1878.67	β 1	
2060	Σ 498	DM (53°) 742	3 22	53 28	173.6	1.04	9.0... 9.7	1833.24	Z 5	
2061	Σ 500	DM (39°) 945	3 26	39 57	79.0	3.93	8.5... 9.5	1831.19	Z 3	Yel'sh wh.
2062	A 469	SD (8°) 798	3 31	- 8 13	343.9	0.24	8.0... 8.0	1903.89	A 3	(Bul. L. O. No. 90)
2063	Σ 496 rej.	....	3 45:	70 12	41.5	35 ±	10 ... 10+	1830+	H	A and C } From H
					330.0	18 ±	... 11	1830+	H	B and C } (V). (See p. 1063)
2064	Σ 502 rej.	DM (26°) 687	3 53	26 12	309.9	15 ±	9 ... 12	1831+	H	A and B } From H
					304.7	8 ±	... 12	1831+	H	B and C } (VI). (See p. 1063)
2065	A 470	SD (9°) 833	4 31	- 9 7	18.6	0.83	9.3... 9.5	1903.94	A 3	(Bul. L. O. No. 90)
2066	H 341	....	4 40	35 25	325 ±	10 ±	10 ... 11	1820+	H	
2067	Hu 212	DM (51°) 883	5 2	51 31	8.0	0.33	9.0... 10.0	1900.86	Hu 2	A and B }
					191.6	4.31	... 11.0	1900.86	Hu 2	A and C }
2068	OZ 74	L 7828	5 44	9 20	270.1	0.53	8.0... 8.5	1849.16	OZ 1	
2069	Upton 1	....	5 50	-18 42	97.2	7.15	8½... 9	1877.00	Cin 2	
2070	Σ 510	DM (0°) 710	5 59	0 26	300.5	10.76	6.5... 9.5	1831.02	Z 2	6.5 very yel.
2071	Σ 503	....	6 4:	63 52:	226.7	4.33	8.8... 8.8	1830.28	Z 3	White
2072	H 2224	W ^a IV ^b . 81	6 5	- 9 9	319.6	30 ±	8-9... 11	1830+	H	7 m. in W ^a (See p. 1063)
2073	OZ 73	μ Persei	6 5	48 6	349.2	15.07	4.5... 12.0	1851.08	OZ 3	A and B }
					231.7	91.56	...(10)	1822.85	Sh 1	A and C }
2074	Hu 548	DM (50°) 942	6 5	50 56	258.3	0.26	9.5... 11.0	1902.10	Hu 3	(Bul. L. O. No. 97)
2075	Hu 302	DM (22°) 651	6 6	22 39	164.1	0.25	9.5... 9.5	1901.72	Hu 2	(Bul. L. O. No. 12)
2076	β 1233	DM (66°) 316	6 6	66 47	37.1	5.17	8.0... 13.2	1891.85	β 4	
2077	A 471	SD (9°) 844	6 17	- 9 35	204.2	0.61	8.5... 10.0	1903.96	A 3	(Bul. L. O. No. 90)
2078	Σ 504	DM (67°) 318	6 26	67 16	261.9	6.72	8.5... 10.0	1830.58	Z 3	
2079	Σ 505	DM (62°) 669	6 41	62 17	115.6	9.68	8.3... 11.0	1830.59	Z 3	8.3 yel.
2080	Σ 514	W ^a IV ^b . 94	6 49	- 7 9	76.4	7.66	8.5... 10.3	1830.70	Z 3	
2081	β 1278	L 7871	7 0	8 35	303.4	7.45	6.5... 13.7	1898.85	β 3	A and B }
					252.3	55.26	... 12.5	1898.92	β 1	A and C }
2082	Σ 515	L 7879	7 8	2 34	43.9	3.46	8.3... 8.3	1830.71	Z 3	White
2083	Σ 512	O. Arg. N. 4620	7 10	45 6	225.9	5.20	8.3... 8.3	1830.18	Z 3	White
2084	β 547	47 Tauri	7 25	8 58	359.4	0.89	5.5... 8.0	1877.84	β 3	A and B }
					223.1	32.20	... 12.5	1877.99	β 1	AB and C }
2085	H 3626	SD (9°) 849	7 34	- 9 47	38.3	18 ±	8½... 11.0	1835.9	H	8.8 m. in SD (See p. 1063)
2086	Σ 509	DM (61°) 692	7 35	61 37	19.5	11.70	7.7... 11.2	1830.21	Z 2	A and B }
					247.9	38.09	... 8.7	1830.58	Z 3	A and C } 7.7 very wh.
2087	H 2225	DM (52°) 798	7 47	53 4	228.5	25 ±	9-10... 10-11	1830+	H	
2088	Σ 511	DM (58°) 727	7 51	58 30	320.0	0.54	7.5... 8.0	1829.52	Z 4	White
2089	Σ 508	DM (67°) 319	4 7 58	67 35	259.2	2.30	8.0... 10.5	1830.90	Z 3	8.0 white

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Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
2090	Howe 10	O. Arg. S. 2909	4 ^h 8 ^m 9 ^s	-28° 51'	213° 1	2.57	8.0... 8.2	1876.00	Cin 4	
2091	Kr 22	A. G. Hel. 3461	8 13	60 32	183.9	3.39	9.3... 9.4	1890.77	β 1	
2092	O Σ 75	L 7830	8 15	60 12	160.7	0.50	7.6... 8.0	1851.70	O Σ 5	
2093	O Σ 77	L 7899	8 19	31 24	338.2	0.37	7.5... 7.5	1846.06	O Σ 2	A and B
					41.7	56.49	... 8.0	1847.23	O Σ 1	AB and C
					312.8	127.10	... 8.5	1873.66	Δ 1	AB and D
2094	Σ 506	DM (70°) 289	8 20	70 5	290.3	9.65	9.0... 9.2	1830.00	Σ 3	
2095	O Σ 76	L 7896	8 23	34 34	210.6	3.86	7.5... 12.2	1849.52	O Σ 2	
2096	Hu 30	SD (23°) 1810	8 23	-23 26	176.7	5.30	6.6... 13.7	1900.07	Hu 2	(A. J. 480)
2097	O Σ 78	L 7906	8 30	29 44	243.3	2.74	7.2... 9.2	1847.98	O Σ 3	7.3 wh.
2098	H 3254	....	8 35	16 23	225.2	23 \pm	9-10... 13	1831+	H	
2099	See 34	Cord. G. C. 4724	8 36	-25 50	38.2	19.78	7.1... 12.7	1897.76	See 1	
2100	β 86	W ^a IV ^b . 129	8 39	23 13	51.1	4.05	9.0... 9.6	1875.68	Δ 4	
2101	Σ 513	O. Arg. W. 4632	8 40	61 17	57.5	5.43	7.8... 9.7	1830.59	Σ 3	7.8 white
2102	Σ 516	39 Eridani	8 41	-10 33	153.7	6.26	6.0... 9.0	1836.03	Σ 2	Yel.: blue
2103	O Σ (App) 44	Rad ^a . 1179	8 42	45 55	321.8	58.44	6.2... 7.2	1875.75	Δ 3	
2104	Hu 816	DM (32°) 758	8 43	32 59	156.0	0.33	9.0... 10.0	1902.83	Hu 1	(See p. 1063)
2105	H 3629	SD (16°) 815	8 47	-16 51	84.1	15 \pm	8½... 10	1835.9	H	
2106	H VI. 98	P IV ^b . 24, 25	9 7	5 55	318.8	62.57	....	1783.13	H 1	
2107	H 673	DM (30°) 641	9 25	30 30	210 \pm	18 \pm	7 ... 10	1820+	H	
2108	Σ 517	DM (0°) 721	9 51	0 9	13.1	3.64	7.5... 9.2	1830.98	Σ 3	White
2109	Σ 518	40 (0) Eridani	9 52	-7 47	107.2	83.48	4.0...	1836.04	Σ 4	A and B
					155.8	3.91	9.1... 10.8	1851.22	O Σ 4	B and C } 4.0 very yel.
2110	Ho 328	DM (19°) 689	10 2	19 22	176.4	0.36	7.0... 7.0	1890.12	Ho 2	L 7963
2111	H 3632	O. Arg. S. 2930	10 20	-30 23	157 \pm	12 \pm	7½... 9	1835.9	H	
2112	Ho 507	W ^a IV ^b . 154	10 23	37 17	32.1	4.91	8 ... 11	1895.98	Ho 2	(See p. 1063)
2113	Hu 817	DM (32°) 764	10 28	32 20	250.2	3.39	9.0... 12.8	1902.83	Hu 1	(A. N. 3557)
2114	β 548	L 8027	10 58	-10 23	347.0	6.24	7.0... 11.5	1877.86	β 1	(See p. 1063)
2115	Σ 520	DM (22°) 670	11 6	22 31	98.7	0.96	8.0... 8.0	1837.10	Σ 2	White
2116	O Σ (App) 46	Rad ^a . 1191, 1192	11 25	55 14	159.7	98.77	7.0... 7.3	1875.14	Δ 2	
2117	H 674	....	11 45	33 37	220 \pm	12 \pm	11 = 11	1820+	H	
2118	Σ 519 <i>rej.</i>	DM (50°) 976	11 52	50 5	346.8	18.50	7.5... 9.0	1892.96	Es 2	
2119	A. G. 79	A. G. Lund 2206	11 52	40 12	110.3	25.40	9.0... 9.3	1902.70	β 2	
2120	β 1234	W ^a IV ^b . 205	11 56	21 1	205.5	1.77	8.3... 12.6	1891.82	β 3	
2121	S 445	DM (49°) 1162	11 56	49 58	326.5	75.22	7½... 8	1823.97	S 2	A and B
					259.9	148.72	... 10	1824.34	S 3	A and C
2122	H 3633	SD (17°) 838	11 59	-17 6	9.1	25 \pm	10 ... 10½	1835.9	H	
2123	H 23	....	12 5:	-7 18:	272\pm	....	10 ... 11	1820+	H	"Distance 30"-40"
2124	H 3255	....	12 6	14 48	134.6	12 \pm	11 = 11	1831+	H	
2125	Σ 525 <i>rej.</i>	W ^a IV ^b . 217	12 34	-2 59	243.6	44.05	8.0... 9.0	1879.66	Cin 1	A and B
					168.3	7.29	... 9.5	1879.66	Cin 1	B and C
2126	Σ 523	DM (23°) 672	12 34	23 27	165.0	10.29	7.2... 9.2	1829.70	Σ 2	7.2 very wh.
2127	H 5460	....	12 38	31 32	90 \pm	4 \pm	12 = 12	1823+	H	
2128	O Σ (App) 49	L 8090	12 41	1 29	144.9	102.94	7.0... 7.2	1875.33	Δ 3	
2129	Σ 521	DM (49°) 1165	12 44	49 45	252.8	2.02	7.2... 9.3	1830.20	Σ 3	Very yel.: ash
2130	Sh 40	ϕ Tauri	12 58	27 4	240.5	56.84	....	1821.94	Sh 1	Red: bluish
2131	Hu 213	DM (50°) 980	12 59	50 44	29.2	0.87	8.6... 12.3	1900.83	Hu 3	(A. J. 494)
2132	H 1142	....	13 1	68 56	77.8	18 \pm	9 ... 10	1828+	H	
2133	H 675	....	13 2	6 5	55 \pm	5 \pm	12 ... 13	1820+	H	
2134	O Σ 79	55 Tauri	13 3	16 14	24.3	0.76	7.0... 8.8	1846.06	O Σ 2	Yel.: ash
2135	Σ 527	L 8107	13 13	-7 43	190.3	5.52	8.0... 10.8	1831.39	Σ 3	8.0 white
2136	Σ 522	DM (51°) 912	13 18	51 19	37.8	1.54	8.5... 8.5	1831.22	Σ 3	
2137	H 3637	....	13 58	-27 1	....	35 \pm	9½... 10	1835.9	H	Angle est. 220° (1873)
2138	Hu 437	SD (15°) 765	14 4	-15 27	261.9	0.78	8.7... 13.0	1901.92	Hu 3	(Bul. L. O. No. 21)
2139	Σ 524	O. Arg. W. 4728	14 6	49 17	54.7	6.70	8.5... 9.5	1830.20	Σ 3	8.5 yel'ish
2140	β 310	W ^a IV ^b . 258	4 14 21	39 39	172.1	19.38	8.0... 12.0	1878.02	H 1 2	

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Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
2141	H 2226	....	4 ^h 14 ^m 24 ^s	6° 11'	355° 7	10 [±]	10 ... 11	1830+	H	"Neat"
2142	Hu 438	SD (16°) 838	14 43	-16 43	162.8	4.27	6.5... 14.2	1901.92	Hu 3	(Bul. L. O. No. 21)
2143	Knott 2	U Tauri	14 49	19 32	202.1	3.10	9.9... 9.9	1868.01	Kn 2	(See p. 1064)
2144	Σ 532 rej.	W ¹ IV ^h . 282	15 12	-14 31	192.8	20±	9 ... 11½	1837.0	H	From Cape Obs'ns
2145	Ho 508	W ² IV ^h . 276	15 13	35 12	222.2	3.81	8 ... 12	1897.01	Ho 2	(A. N. 3557)
2146	OΣ 80	P IV ^h . 46	15 15	42 9	188.6	0.52	6.5... 7.0	1848.44	OΣ 5	White (See p. 1064)
2147	Σ 528	χ Tauri	15 17	25 21	25.3	19.30	5.7... 7.8	1830.56	Σ 3	Wh.: bluish wh.
2148	A 472	SD (9°) 874	15 18	-9 8	255.2	3.02	8.0... 11.2	1903.92	A 2	(Bul. L. O. No. 50)
2149	β 87	P IV ^h . 53	15 18	20 32	170.6	2.09	5.7... 8.8	1875.46	Δ 5	Golden: blue
2150	Ho 329	L 8168	15 19	-0 23	65.7	32.97	6.0... 13	1891.08	Ho 3	
2151	Σ 529	L 8141	15 28	28 7	19.1	4.44	8.4... 10.2	1832.44	Σ 4	8.4 yel'sh
2152	Σ 526	DM (59°) 799	15 29	59 59	52.2	5.67	8.2... 8.7	1831.57	Σ 3	White
2153	See 36	SD (19°) 885	15 32	-19 37	347.0	7.92	6.8... 13.7	1897.75	See 1	
2154	OΣ 82	W ¹ IV ^h . 286	15 56	14 46	230.4	1.04	7.0... 9.0	1848.66	OΣ 2	
2155	A 473	SD (6°) 885	16 12	-6 8	197.7	2.56	9.0... 14.7	1903.86	A 2	(Bul. L. O. No. 50)
2156	H 1143	....	16 13	70 29	71.2	8±	10 ... 12	1828+	H	
2157	Σ 536	L 8222	16 13	-4 58	152.4	1.78	8.1... 8.7	1832.80	Σ 4	Very wh.
2158	Σ 537	W ¹ IV ^h . 307	16 21	-10 14	334.0	14.99	8.1... 11.2	1832.39	Σ 4	8.1 yel.
2159	β 744	Eridani 299	16 32	-26 1	306.6	0.79	7.6... 7.6	1891.78	β 3	A and B
					37.5	40±	6 ... 8	1835.9	H 1	A and D
					20±	25±	...(14)	1835.9	H	A and C
2160	Σ 533	DM (33°) 851	16 37	34 2	60.3	19.53	6.0... 7.5	1831.25	Σ 3	White
2161	Σ 535	Tauri 230	16 39	11 6	353.9	1.95	6.7... 8.2	1831.34	Σ 5	Yel'sh: bluish
2162	Σ 534	62 Tauri	16 45	24 1	289.7	28.88	6.2... 8.0	1831.40	Σ 3	6.2 wh.
2163	OΣ 81	56 Persei	16 51	33 41	53.0	4.49	6.0... 8.8	1847.86	OΣ 4	6.0 yel.
2164	Ho 15	W ² IV ^h . 320	16 55	29 51	147.2	0.81	8.0... 8.0	1882.13	Ho 2	
2165	Hu 303	DM (21°) 639	16 55	21 16	199.1	2.15	8.5... 12.0	1901.79	Hu 2	(Bul. L. O. No. 10)
2166	Doo 7	DM (33°) 855	16 59	33 36	213.1	47.11	9.5...	1900.64	Doo 1	AB } (Pub. Flower
					216.8	2.76	10.0... 10.5	1900.64	Doo 1	BC } Obs'y. 1)
2167	β 402	W ¹ IV ^h . 318	17 3	-1 33	74.0	6.94	8.5... 10.5	1877.95	β 1	
2168	Σ 530	DM (53°) 769	17 5	53 13	199.6	14.16	8.5... 11.0	1831.73	Σ 2	8.5 yel.
2169	Σ 531	DM (55°) 881	17 5	55 22	291.9	0.80	7.4... 8.6	1830.53	Σ 4	7.4 wh.
2170	Ho 330	DM (-0°) 695	17 16	-0 24	19.6	1.17	9 ... 11	1891.08	Ho 2	
2171	Hu 549	DM (50°) 989	17 17	51 3	167.0	1.71	8.8... 10.5	1902.72	Hu 3	(Bul. L. O. No. 27)
2172	Hu 304	66 Tauri	17 19	9 11	23.9	0.25	5.9... 5.9	1901.39	Hu 3	(Bul. L. O. No. 10)
2173	H 342	W ¹ IV ^h . 327	17 19	-5 17	238.2	19.53	9 ... 10	1783.13	H 1	A and B
					90±	25±	... 17	....	....	A and C
2174	β 1235	L 8235	17 20	22 28	60.8	0.35	8.4... 8.5	1891.84	β 3	
2175	Ho 331	L 8286	17 31	-7 59	349.7	15.44	7.0... 12.7	1890.97	Ho 2	
2176	H 2229	....	17 39	-5 51	247±	4±	9-10... 11-12	1830+	H	
2177	Σ 9, App. I	κ ² Tauri	18 12	22 1	172.6	339.28	5.0... 6.0	1836.21	Σ 5	Yel'sh wh.: wh.
2178	Σ 541 rej.	....	18 14	21 58	327.2	4.94	11.2... 11.8	1874.11	Δ 4	A and B
					170.2	184.27	....	1873.88	Δ 3	AB and κ ¹
					355.6	156.79	....	1873.88	Δ 3	AB and κ ²
2179	Hu 608	DM (35°) 867	18 19	35 28	173.6	0.38	8.4... 8.8	1902.79	Hu 2	
2180	H 343	....	18 23	28 38	130±	12±	8-9... 10	1820+	H	A and B
					130±	20±	... 11	1820+	H	A and C
					90±	20±	... 12	1820+	H	A and D
2181	Hu 609	DM (34°) 878	18 25	34 27	10.5	0.17	8.1... 8.6	1902.78	Hu 3	
2182	H 676	DM (32°) 790	18 30	32 56	245±	8±	10 ... 11	1820+	H	A and B
					225±	12±	... 10	1820+	H	C and A
2183	H VI. 101	δ Tauri	18 33	17 38	234.6	63.62	....	1783.74	H 1	A and B
					320±	Cl. VI	....	....	H	A and C
2184	H 3647	SD (18°) 827	18 37	-18 22	30±	25±	10... 10... 11	1834+	H	"An equilateral triangle"
2185	Σ 543	SD (5°) 903	18 40	-5 9	191.2	4.77	8.5... 10.5	1831.73	Σ 3	8.5 wh.
2186	H 2227	4 18 50	75 3	283.5	7±	10 ... 13	1830+	H	

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Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
2187	β 1185	W ⁴ IV ^b . 376	4 ^h 18 ^m 52 ^s	18° 35'	25° 6'	0.16	7.8... 8.4	1890.70	β 4	
2188	Σ 544	SD (9°) 892	18 57	- 9 1	356.7	2.14	8.3... 9.2	1831.72	Z 3	8.3 wh.
2189	Σ 542	DM (45°) 936	19 0	45 59	102.2	21.22	8.2... 9.7	1830.73	Z 3	8.2 yel ^{sh}
2190	H 2230	DM (2°) 705	19 9	2 5	325.7	30±	9 ... 9-10	1830+	H	Yellow: pale blue
2191	H 677	DM (0°) 749	19 10	1 1	105±	1½-2	10 ... 11	1820+	H	
2192	β 745	DM (53°) 772	19 11	53 38	134.1	0.52	8.3... 8.3	1891.86	β 2	
2193	Σ 538	DM (63°) 504	19 17	63 58	218.1	7.28	8.5... 9.7	1830.57	Z 3	
2194	β 403	W ⁴ IV ^b . 379	19 18	- 2 20	100.9	2.01	7.7... 9.1	1877.09	Δ 5	
2195	H 3256	....	19 30	13 43	238.0	3±	11 ... 11-12	1831+	H	"The n/ of two"
2196	Hd 67	71 Tauri	19 30	15 21	70±	....	....	....	Hd	
2197	H 2228	Rad ^r . 1221	19 36	72 16	231.7	40±	6 ... 13	1830+	H	
2198	Σ 547	W ⁴ IV ^b . 383	19 48	- 1 40	344.3	4.25	8.5... 11.5	1831.39	Z 3	
2199	Σ 540	DM (63°) 506	19 53	63 9	181.5	2.85	8.3... 10.0	1830.27	Z 3	8.3 yel.
2200	Σ 546	L 8336	20 0	18 51	189.9	6.65	7.7... 9.5	1836.07	Z 3	7.7 yel ^{sh}
2201	Σ 545	DM (17°) 724	20 8	17 56	57.0	19.13	7.5... 9.3	1830.80	Z 4	7.5 wh.
2202	H 678	DM (8°) 690	20 18	8 26	5±	5±	10 ... 11	1820+	H	
2203	H 1144	....	20 22	68 7	145.3	8±	10 ... 12	1828+	H	
2204	H 3257	....	20 34	39 7	70±	15±	10 ... 11	1831+	H	"P est. from diagram"
2205	Kr 23	A. G. Hale. 3573	20 35	55 14	132.0	4.15	9.0... 9.3	1890.77	β 1	
2206	H 3258	....	20 42	39 10	85±	10±	11 ... 11	1831+	H	"P est. from diagram"
2207	β 1186	Tauri 248	20 51	10 56	182.1	0.59	6.8... 9.7	1890.92	β 3	
2208	Hu 439	DM (21°) 648	21 4	22 4	183.8	0.67	8.6... 11.5	1901.84	Hu 3	(Bul. L. O. No. 51)
2209	Σ 549	DM (9°) 584	21 16	9 45	157.5	25.16	8.0... 10.2	1831.53	Z 2	8.0 yel ^{sh}
2210	Σ 548	W ⁴ IV ^b . 421	21 18	30 6	35.9	14.20	6.0... 8.0	1831.40	Z 3	Yel ^{sh} : bluish
2211	Hu 550	DM (49°) 1191	21 30	49 58	307.8	0.52	9.0... 13.0	1902.72	Hu 2	(Bul. L. O. No. 57)
2212	Σ 10, App. I	θ^* and θ^* Tauri	21 42	15 42	346.2	337.39	4.7... 5.0	1836.13	Z 5	Wh.: yel ^{sh}
2213	β 311	Eridani 315	21 52	-24 21	146.9	1.06	6.5... 7.0	1877.61	Cin 1	
2214	A 474	SD (9°) 901	21 54	- 9 49	170.1	0.89	8.8... 11.3	1903.93	A 3	(Bul. L. O. No. 50)
2215	H 2233	....	22 4	4 49	305.6	12±	10 ... 11	1830+	H	
2216	O. Stone 7	SD (19°) 925	22 7	-19 10	183.8	5.04	9.5... 9.9	1876.03	Cin 2	
2217	Hu 440	SD (17°) 883	22 8	-17 23	327.1	2.16	8.2... 10.2	1901.92	Hu 3	(Bul. L. O. No. 51)
2218	H 2232	....	22 27	47 2	327.4	14±	10 ... 12	1830+	H	
2219	Innes 413	Cond. G. C. 4996	22 31	-24 43	349.8	0.80	8 ...	1902.16	I 1	
2220	Σ 550	1 Camelopardali	22 32	53 39	307.1	10.13	5.1... 6.2	1830.57	Z 7	Wh.: bluish wh.
2221	H 1145	....	22 33	69 13	125.1	2½±	11 = 11	1828+	H	
2222	β 184	L 8474	22 45	-21 46	262.5	1.10	6.2... 7.0	1877.53	Cin 2	
2223	H 3649	....	22 47	-14 15	168.5	25±	10 = 10	1836.9	H	
2224	Σ 551	DM (51°) 944	22 54	51 56	126.4	13.74	8.5... 9.0	1830.75	Z 2	
2225	OZ 83	W ⁴ IV ^b . 457	22 56	32 11	....	obl?	6 ...	1842.70	OZ	
2226	β 549	W ⁴ IV ^b . 458	23 2	-12 13	189.0	7.85	8.0... 12.5	1877.97	β 2	
2227	H 2231	....	23 5	70 34	338.6	6±	12 = 12	1830+	H	
2228	Ku 18	DM (30°) 671	23 8	30 25	62.0	1.59	9.8... 10.1	1901.57	Ku 2	Kustner (3821)
2229	Σ 552	W ⁴ IV ^b . 461	23 12	39 45	114.4	8.96	6.3... 6.5	1831.05	Z 5	Very wh.
2230	Σ 554	80 Tauri	23 17	15 23	12.9	1.74	6.5... 9.0	1831.18	Z 4	
2231	β 789	L 8426	23 30	37 24	322.6	1.30	8.1... 8.8	1881.69	β 3	
2232	Σ 556 rej.	DM (4°) 700	23 50	5 2	287.1	3±	10 ... 10+	1830+	H	
2233	O. Stone 8	L 8521	23 55	-25 28	350.8	7.07	7 ... 9	1876.00	Cin 5	
2234	Σ 553	DM (50°) 1013	24 4	50 48	133.3	3.15	8.0... 8.5	1831.22	Z 3	White
2235	A. G. 80	A. G. Lund 2278	24 12	36 14	1.1	15.81	9.3... 9.7	1902.70	β 2	
2236	OZ 84	L 8513	24 39	6 32	255.1	9.49	6.8... 7.7	1847.41	OZ 3	Yel.: blue
2237	H 1146	Rad ^r . 1245	24 39	71 13	15.8	15±	8-9... 12	1828+	H	
2238	A 475	SD (7°) 828	24 54	- 6 57	302.1	1.79	9.0... 12.2	1903.93	A 3	(Bul. L. O. No. 50)
2239	Sh 44	57 Persei	24 58	42 48	198.9	110.19	....	1821.91	Sh 1	
2240	H 3653	O. Arg. 8. 3129	25 7	-16 43	148.5	40±	8 ... 8½	1835.9	H	
2241	H 24	SD (7°) 830	25 15	- 7 42	60±	25±	9 ... 12	1820+	H	
2242	Hu 551	DM (50°) 1016	4 25 28	50 45	310.4	1.70	7.3... 11.2	1902.72	Hu 3	(Bul. L. O. No. 57)

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Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
2243	H 1147	....	4 ^h 25 ^m 43 ^s	68° 48'	248° 3	15" ±	9 ... 11-12	1828+	H	
2244	Σ 560 <i>rej.</i>	L 8575	25 53	-13 54	....	Cl. IV	6-7... 9-10	....	Z	
2245	See 37	Ord. G. C. 5072	26 0	-25 14	21.2	11.95	7.5... 11.0	1897.76	See 1	
2246	H 2234	W ^r IV ^h . 523	26 7	-9 6	269.5	35 ±	9-10... 9-10	1830+	H	
2247	Hd —	....	26 11	1 2	237.5	2.17	10.7... 12	1901.77	β 2	
2248	W VI. 64	L 8588	26 27	-3 28	110 ±	112.00	....	1783.04	H 1	
2249	Σ 557	O. Arg. N. 4921	26 35	62 44	126.1	23.43	8.0... 8.7	1831.28	Z 2	White
2250	Σ 559	W ^r IV ^h . 542	26 36	17 46	278.7	3.03	7.0... 7.0	1830.67	Z 4	Very wh.
2251	H 5461	B. A. C. 1408	27 7	28 41	100 ±	30 ±	6 ... 9	1827.1	H	A and B } White: A and C } purple
					140 ±	60 ±	... 10	....	....
2252	β 746	Ord. G. C. 5107	27 13	-36 10	30 ±	1.2 ±	8.0... 9.0	1879.79	β	
2253	S 451	Rad ^r . 1262	27 25	47 7	195.7	60.45	7½... 8	1825.10	S 2	
2254	Σ 564	SD (12°) 922	27 28	-12 23	346.8	3.44	8.8... 9.0	1831.72	Z 3	White
2255	Σ 562	Tauri 278	27 35	22 27	269.6	2.05	7.0... 10.7	1830.86	Z 3	7.0 yel.
2256	Lewis 4	....	28 :	19 43	190.4	0.39	7.5... 8.0	1901.10	L 1	
2257	OΣ 85	Rad ^r . 1264	28 12	48 9	23.6	1.07	7.5... 10.0	1846.70	OΣ 2	
2258	A 113	L 8634	28 15	-4 49	343.0	3.80	8.2... 12.8	1901.07	A 3	
2259	H 1148	....	28 17	68 15	117.7	6 ±	10 = 10	1828+	H	
2260	Σ 563	DM (40°) 999	28 21	40 50	29.8	11.71	8.0... 9.7	1828.72	Z 2	8.0 yel'ish. wh.
2261	H 344	DM (33°) 883	28 26	33 41	95 ±	10 ±	10 ... 14	1820+	H	
2262	Hu 610	DM (33°) 884	28 34	33 58	28.4	0.15	8.5... 8.8	1902.79	Hu 2	
2263	Kr 24	A. G. Hols. 3656	28 40	56 41	238.7	3.54	9.5... 9.5	1890.77	β 1	
2264	Hu 611	DM (53°) 793	28 48	53 32	16.3	0.75	8.5... 12.0	1902.69	Hu 3	
2265	β 747	Lac. 1518	28 50	-38 32	240 ±	2.5	7.5... 9.5	1879.79	β	
2266	β 550	a Tauri (Aldebaran)	29 2	16 16	109.0	30.45	1 ... 13.5	1877.89	β 3	A and B } A and C } CD = C and D } β 1031
					36.0	109.04	... 11.2	1836.06	Z 2	
					281.1	2.34	... 13.6	1888.91	β 3	
2267	Sh 45	88 Tauri	29 3	9 55	299.0	69.45	5 ... 8	1822.88	Sh 1	
2268	β 881	46 Eridani	29 4	-7 0	57.0	1.47	6.0... 10.8	1879.02	β 4	
2269	Σ 570	L 8683	29 31	-9 59	258.9	12.77	7.0... 8.0	1830.73	Z 3	Wh: bluish
2270	OΣ 86	L 8654	29 33	19 31	78.6	0.55	7.5... 7.5	1845.67	OΣ 2	
2271	OΣ 87	W ^r IV ^h . 601	29 39	7 59	234.6	6.20	7.5... 9.2	1846.51	OΣ 2	
2272	Σ 567	W ^r IV ^h . 611	29 40	19 15	302.9	1.43	8.5... 9.0	1831.18	Z 3	Yel.
2273	Σ 569	W ^r IV ^h . 602	29 41	8 58	132.8	7.90	8.2... 8.7	1831.05	Z 3	White
2274	Σ 565	L 8630	29 42	41 53	180.3	1.61	7.2... 8.5	1831.61	Z 5	Yel'ish: bluish
2275	Hu 305	DM (20°) 783	29 50	20 48	277.0	2.21	9.0... 10.2	1901.79	Hu 2	(Bul. L. O. No. 12)
2276	H 3664	O. Arg. S. 3200	29 56	-25 17	193 ±	20 ±	8½... 10½	1835.9	H	
2277	Σ 571	SD (3°) 830	30 3	-3 51	258.7	17.84	6.3... 11.0	1830.74	Z 3	6.3 very wh.
2278	Σ 568 <i>rej.</i>	DM (39°) 1037	30 22	39 13	....	Cl. IV	8 ... 11	....	Z	(See p. 1064)
2279	β 1295	2 Camelopardali	30 27	53 14	140.4	0.21	5 ... 7	1901.80	β 4	A and B } AB and C } Yel.: AB and D } bluish
					311.4	1.58	5.1... 7.4	1829.79	Z 4	
					209.8	23.66	... 13.2	1888.92	β 3	
2280	β 1043	3 Camelopardali	30 28	52 50	297.3	3.92	5 ... 12	1888.92	β 3	(See p. 1064)
2281	Σ 555 <i>rej.</i>	....	30 35:	81 17:	....	Cl. IV	8-9... 10	....	Z	From Cat. Novus
2282	Σ 561 <i>rej.</i>	O. Arg. N. 4973	30 50	74 1	....	Cl. IV	8-9... 11	....	Z	From Cat. Novus (See p. 1064)
2283	Δ 4	O. Arg. N. 5001	30 54	53 14	264.4	5.74	8.8... 9.8	1870.02	Δ 3	
2284	Σ 572	Aurigae 4	31 4	26 42	210.3	3.17	6.5... 6.5	1830.56	Z 3	Yel'ish
2285	OΣ (App) 53	W ^r IV ^h . 644	31 16	0 20	172.3	78.13	7.0... 7.2	1876.33	Δ 3	
2286	β 185	L 8745	31 24	-15 10	235.4	3.00	8.1... 11.1	1875.78	Δ 4	
2287	β 88	51 Eridani	31 34	-2 43	90.1	32.38	5.7... 12.2	1891.88	β 2	
2288	Weisse 4	W ^r IV ^h . 647	31 42	42 6	112.0	2.45	9.0... 9.1	1901.72	β 2	
2289	Espin 56	DM (58°) 766	32 0	58 31	205.3	9.9	8.5... 8.8	1901	Es	(A. N. 3784)
2290	H 681	....	32 3	35 20	325 ±	7 ±	10-11... 10-11	1820+	H	
2291	H 1149	....	32 11	69 18	194.8	16 ±	10 ... 11	1828+	H	
2292	See 38	Ord. G. C. 4 ^h . 1080	32 22	-29 32	232.7	6.53	7.1... 11.3	1897.83	See 1	
2293	Σ 11, App. I	σ ² and σ ³ Tauri	4 32 24	15 41	192.3	427.70	5.2... 5.7	1836.22	Z 5	Wh.

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Number	Double Star	Star Catalogue	R. A., 1880	Decl., 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
2294	Σ 576	SD (13°) 937	4 ^h 32 ^m 26 ^s	-13° 16'	172° 0	12.31	6.7... 7.2	1830.83	Σ 3	Yellish wh.
2295	Hu 441	DM (20°) 791	32 30	20 31	50.3	1.79	9.0... 11.0	1901.86	Hu 3	(Bul. L. O. No. 21)
2296	Σ 575	W ¹ IV ^h . 677	32 32	- 0 38	161.2	4.70	8.8... 9.8	1831.40	Σ 3	White
2297	β 882	SD (11°) 921	32 32	-11 38	231.6	2.04	8.8... 10.0	1880.08	β 1	
2298	H 1150	....	32 41	69 17	230±	4±	14 = 14	1828+	H	
2299	Hu 442	DM (22°) 728	32 47	22 46	333.8	0.41	9.0... 9.6	1901.86	Hu 3	(Bul. L. O. No. 21)
2300	H 2235	....	32 47	71 13	153.0	30±	9-10=9-10	1830+	H	
2301	Lewis 5	....	33 :	26 42	213.4	0.82	8.0... 9.0	1899.15	L 1	
2302	β 1044	DM (16°) 637	33 1	16 17	218.5	1.03	9.0... 11.0	1888.91	β 3	
2303	Σ 574	DM (52°) 872	33 28	52 55	311.6	3.94	8.2... 10.0	1830.87	Σ 3	8.2 white
2304	H 346	B. A. C. 1444	33 49	28 23	55±	30±	6 ... 10	1820+	H	
2305	Σ 578	W ¹ IV ^h . 712	33 50	3 5	24.6	11.26	9.0... 9.7	1831.12	Σ 2	
2306	H 25	....	33 58:	- 7 4:	310±	15±	9 ... 11	1820+	H	
2307	Σ 577	W ¹ IV ^h . 700	34 9	37 17	98.7	1.58	7.7 = 7.7	1829.57	Σ 3	White
2308	H 347	....	34 19	28 25	335±	20±	9 ... 11	1820+	H	
2309	β 1236	L 8833	34 27	-21 29	118.3	1.42	7.8... 10.8	1891.84	β 3	A and B }
					314.1	40.24	... 8.5	1891.84	β 3	A and C }
2310	Σ 579	DM (22°) 735	34 32	22 30	30.1	16.48	8.5... 10.7	1831.49	Σ 2	8.5 yellish red
2311	Howe 11	O. Arg. S. 3270	34 33	-20 8	98.8	3.48	8.5... 9.0	1877.11	Cin 1	
2312	Σ 583	DM (0°) 817	34 45	0 44	328.2	5.70	7.8... 9.4	1831.10	Σ 4	A and B }
					264.0	104.4	...(15)	1825.01	S 1	A and C } 7.8 wh.
2313	S 455	τ Tauri	35 2	22 44	211.5	62.82	5 ... 8½	1824.00	S 2	
2314	O. Stone 9	54 Eridani	35 12	-19 54	161.3	0.34	5.7... 6.0	1877.11	A 3	
2315	H 348	W ¹ IV ^h . 729	35 15	33 42	282±	28±	8 ... 12	1820+	H	
2316	Σ 582	DM (42°) 1033	35 37	42 12	23.9	5.54	7.3... 10.0	1831.42	Σ 3	A and B }
2317	Σ 581 rej.	....			159.8	7.54	10.5... 10.5	1904.09	β 1	C and D } 7.3 yellish
					141.2	97.2	....	1904.09	β 1	A and C }
2318	H 3677	O. Arg. S. 3295	35 44	-29 49	173.9	8±	9 = 9	1834+	H	
2319	Ho 332	DM (20°) 807	35 47	20 25	125.9	1.03	9 ... 9	1891.08	Ho 2	(A. N. 3233)
2320	Ho 333	DM (19°) 764	36 2	20 1	161.6	1.71	9 ... 9.3	1891.08	Ho 3	
2321	H 2237	....	36 9	47 26	126.9	15±	9-10... 12-13	1820+	H	
2322	A. G. 81	DM (6°) 738	36 18	6 16	280.1	37.47	9.6... 9.7	1895.21	Lp	
2323	Σ 585	DM (4°) 733	36 21	4 29	275.9	12.11	8.3... 11.5	1831.79	Σ 3	
2324	Hu 552	DM (54°) 810	36 45	54 53	236.6	1.25	8.8... 9.5	1901.80	Hu 3	(Bul. L. O. No. 27)
2325	Espin 13	DM (43°) 1047	36 48	43 34	217.5	17.75	7.0... 14	1900.00	Es 2	(A. N. 3717)
2326	H 26	....	36 58:	- 6 42	305±	10±	9 ... 11	1820+	H	
2327	A 476	SD (7°) 882	37 18	- 7 38	152.5	0.45	8.7... 9.0	1903.81	A 3	(Bul. L. O. No. 50)
2328	H 2238	....	37 25	- 9 1	76.4	18±	15 ... 16	1830+	H	
2329	Σ 588 rej.	L 8912	37 32	- 9 50	....	Cl. IV	8 ... 10-11	....	Σ	From Cat. Nov.
2330	Σ 590	55 Eridani	37 50	- 9 1	318.3	9.13	6.2... 6.7	1831.17	Σ 4	Yellish wh.
2331	A 114	SD (5°) 1011	37 50	- 5 21	313.3	3.75	8.8... 13.6	1900.41	A 3	
2332	Hall	DM (1°) 809	37 53	1 51	157.9	2.29	9 ... 10	1888.10	Hl 3	
2333	Σ 584	DM (66°) 353	38 8	66 19	121.6	11.74	7.5... 10.2	1831.28	Σ 2	7.5 yellish
2334	H 2236	....	38 13	72 44	248.8	15±	10 ... 13	1830+	H	
2335	Hu 612	DM (53°) 813	38 18	53 5	198.4	0.22	6.7... 8.7	1902.69	Hu 3	
2336	Σ 589	W ¹ IV ^h . 804	38 27	5 4	310.9	4.47	8.0... 8.0	1831.39	Σ 3	Yellish wh.
2337	H 3259	....	38 30	27 7	143.4	3±	10 ... 12	1831+	H	
2338	Σ 587	DM (52°) 880	38 31	52 54	185.0	20.95	7.0... 8.5	1830.55	Σ 3	Wh.: bluish
2339	A. G. 82	A. G. Chris. 779	38 48	66 24	121.4	26.72	9.1... 9.9	1891.84	β 2	
2340	....	DM (21°) 694	38 51	21 3	114.2	5.40	9.1... 10.5	1901.78	β 2	
2341	H 1151	....	39 2	70 40	7.2	10±	10 ... 13	1828+	H	A and B }
					328.4	13±	... 14	1828+	H	A and C }
2342	H 682	DM (6°) 750	39 22	6 54	130±	20±	9 = 9	1820+	H	
2343	Σ 591 rej.	DM (39°) 1065	39 27	40 1	22.6	35.52	8.5... 12	1904.08	β 2	
2344	Σ 592 rej.	DM (40°) 1051	39 36	40 5	238.5	17.53	9.5... 10.8	1904.09	β 2	
2345	H 2239	4 39 26	45 58	164.9	12±	10 ... 11	1830+	H	

Within 121° of the North Pole

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Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
2346	H 27	SD (5°) 1021	4 ^h 39 ^m 37 ^s	— 5° 27'	225° ±	75' ±	9 ... 9+	1820+	H	B = SD (5°) 1020
2347	H 683	DM (0°) 838	39 41	0 10	10 ±	20 ±	....	1820+	H	A and B }
					310 ±	30 ±	....	1820+	H	A and C }
2348	Σ 593 <i>rej.</i>	....	40 :	21 13:	....	Cl. IV	8-9... 8-9	....	Z	
2349	H 349	DM (34°) 908	40 7	34 34	87 ±	8 ±	10 ... 10+	1820+	H	
2350	β 186	L 8986	40 10	— 7 12	174.1	2.00	8.2... 11.0	1875.82	A 3	
2351	Hu 104	W ¹ IV ^b . 848	40 15	— 12 10	264.2	0.96	7.7... 11.5	1900.10	Hu 2	A and B } 8.0
					280.8	11.12	8.0... 10.2	1831.15	Z 2	AB and C } <i>ye'fsh</i> <i>wh.</i>
2352	Hu 443	DM (21°) 701	40 28	21 58	283.4	0.48	9.2... 9.8	1901.92	Hu 3	(<i>Bul. L. O. No. 21</i>)
2353	A 2	SD (4°) 938	40 37	— 4 50	179.9	0.92	9.4... 10.3	1900.09	A 2	(<i>A. N. 3635</i>)
2354	H 3260	....	40 51	14 24	65.3	12 ±	10 = 10	1831+	H	
2355	Σ 597 <i>rej.</i>	DM (12°) 649	40 55	12 54	....	Cl. IV	8 ... 10	....	Z	From <i>Cat. Nov.</i>
2356	Σ 594 <i>rej.</i>	W ¹ IV ^b . 875	41 16	39 3	....	Cl. II	8-9... 10	....	Z	From <i>Cat. Nov.</i>
2357	Σ 598	W ¹ IV ^b . 902	41 37	17 36	318.7	9.52	8.2... 9.7	1828.15	Z 2	<i>Ye'fsh wh.</i> : <i>bluish</i>
2358	H 684	....	41 51	10 43	265 ±	15 ±	10 ... 11	1820+	H	A and B }
					300 ±	7 ±	11 ... 12	1820+	H	C and D }
2359	Arg. 11	SD (17°) 952	41 53	— 17 28	235.2	29.86	8.4... 8.8	1903.96	β 2	
2360	Hu 214	SD (10°) 1013	42 7	— 10 55	234.9	4.93	8.8... 10.5	1900.13	Hu 1	(<i>A. J. 494</i>)
2361	A 477	SD (6°) 992	42 14	— 6 38	170.7	0.39	9.3... 9.3	1903.81	A 3	(<i>Bul. L. O. No. 90</i>)
2362	H 3687	W ¹ IV ^b . 877	42 16	— 8 55	282.8	25 ±	9 ... 11	1836.9	H	
2363	Σ 599	DM (44°) 1036	42 24	44 46	335.1	10.32	8.0... 9.3	1831.76	Z 3	8.0 <i>wh.</i>
2364	H 2240	SD (4°) 946	42 29	— 4 55	168.0	12 ±	9 ... 13	1830+	H	
2365	See 39	....	42 31	— 21 2	279.8	2.62	10.2... 11.2	1897.75	See 1	(<i>A. J. 431</i>)
2366	β 312	L 9065	42 36	— 21 1	345.7	3.35	8.0... 9.5	1876.03	Hl 2	
2367	OZ (App) 55	DM (4°) 754	42 45	5 0	15.9	37.74	8.0... 8.8	1875.65	A 3	A (I) (See p. 1064)
2368	β 551	96 <i>Tauri</i>	42 52	15 42	57.2	30.75	6 ...	1878.09	β 1	A and B }
					205.7	6.26	11.0... 12.8	1878.09	β 1	B and C }
2369	H 3690	SD (12°) 997	42 56	— 11 58	45 ±	18 ±	8 ... 14	1836.9	H	A and B }
					195 ±	30 ±	... 11	1836.9	H	A and C }
2370	Hu 553	DM (51°) 985	43 3	51 10	80.3	3.14	8.8... 11.0	1902.72	Hu 2	(<i>Bul. L. O. No. 27</i>)
2371	H 350	....	43 18	34 35	310 ±	2 ±	11 ... 11+	1820+	H	
2372	H 685	....	43 18	— 0 7	50 ±	4 ±	13 ... 13	1820+	H	(See p. 1064)
2373	Σ 600 <i>rej.</i>	DM (60°) 843	43 34	60 23	....	Cl. IV	8 ... 10	....	Z	From <i>Cat. Nov.</i>
2374	Hu 554	DM (49°) 1262	43 37	49 51	310.9	2.01	9.0... 10.5	1902.71	Hu 3	(<i>Bul. L. O. No. 27</i>)
2375	Σ 609	DM (0°) 865	43 40	0 57	82.1	1.94	8.5... 8.7	1832.09	Z 3	<i>Ye'fsh</i> .
2376	Σ 558	Redhill 670	43 43	86 44	198.6	3.04	8.4... 9.9	1833.00	Z 4	8.4 <i>ye'fsh wh.</i>
2377	Hu 818	DM (55°) 938	44 1	55 51	72.7	0.39	8.5... 8.8	1902.70	Hu 1	(See p. 1064)
2378	Σ 605 <i>rej.</i>	....	44 12	15 10	....	Cl. II	9 ... 9	....	Z	
2379	⌘ VI. 83	DM (6°) 765	44 12	6 37	1.7	80.97	....	1783.79	Hl 1	
2380	Hu 31	SD (10°) 1026	44 23	— 9 59	333.8	1.05	8.5... 9.0	1900.10	Hu 3	(<i>A. J. 480</i>)
2381	β 883	L 9091	44 33	10 52	17.5	0.35	7.0... 7.0	1879.00	β 1	A and B }
					148.5	18.35	... 14	1879.00	β 1	AB and C }
2382	Hu 819	DM (35°) 917	44 58	35 36	296.4	0.24	8.2... 8.8	1902.75	Hu 1	(See p. 1064)
2383	β 552	<i>Orionis</i> 11	45 4	13 27	360 ±	0.8 ±	7 ... 10	1877.97	β 1	
2384	H 687	....	45 4	8 15	87 ±	10-12	10 ... 10-11	1820+	H	
2385	Σ 603	O. Arg. M. 5251	45 6	49 23	238.6	8.42	8.0... 8.2	1830.23	Z 3	<i>Very wh.</i>
2386	β 1187	5 <i>Camelopardali</i>	45 14	55 4	245.2	12.89	5.5... 12.8	1890.78	β 3	
2387	H 3093	SD (12°) 1007	45 23	— 12 27	116.3	4 ±	10 ... 12	1836.9	H	
2388	H 28	....	45 30:	— 6 25:	205 ±	10 ±	11 ... 11+	1820+	H	
2389	Σ 607	DM (25°) 744	45 47	25 18	249.9	14.21	9.0... 10.8	1831.19	Z 3	
2390	Hu 444	DM (21°) 717	45 52	22 2	199.5	4.57	8.5... 14.0	1901.92	Hu 3	(<i>Bul. L. O. No. 21</i>)
2391	Σ 573 <i>rej.</i>	....	46 ±	85 57:	....	Cl. IV	8-9... 9	....	Z	From <i>Cat. Nov.</i>
2392	β 748	SD (8°) 961	46 4	— 8 3	131.4	1.03	9.0... 9.0	1879.68	β 2	
2393	Σ 602	DM (69°) 285	46 4	69 6	134.4	29.11	8.3... 9.5	1829.97	Z 3	<i>White</i>
2394	OZ 88	Red ¹ . 1337	46 22	61 33	302.4	0.69	6.5... 8.2	1854.01	OZ 4	<i>Yellow: ash</i>
2395	β 1237	L 9145	4 46 28	23 21	58.6	4.32	8.0... 10.6	1891.81	β 3	

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Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
2396	Σ 604	DM (69°) 286	4 ^h 46 ^m 46 ^s	69° 52'	39° 9'	2.18	8.1... 8.9	1830.30	Z 4	White
2397	Hu 555	L 9113	46 52	51 54	309.6	0.16	8.5... 8.7	1902.71	Hu 3	A and B } AC AB and C } white
					115.5	3.87	7.8... 9.2	1831.22	Z 3	
2398	β 316	L 9181	46 52	- 5 29	176.8	1.18	8.1... 8.2	1876.60	Δ 4	
2399	A 478	SD (6°) 1012	46 55	- 6 29	30.8	3.74	8.8... 12.7	1903.81	A 3	(Bul. L. O. No. 50)
2400	S 457	W ^r IV ^h . 992	46 59	- 1 28	353.7	41.49	8½... 8¾	1824.42	S 3	
2401	H 351	DM (33°) 918	47 3	33 59	135±	6±	10 ... 12	1820+	H	A and B } A and C } A and D } A and E } (See p. 1064) From Cat. Nov. (A. N. 3784)
					70±	12±	... 18	1820+	H	
					55±	25±	....	1820+	H	
					225±	40±	....	1820+	H	
2402	Σ 611 <i>rej.</i>	DM (21°) 721	47 15	21 32	....	III-IV	8-9... 11	....	Z	
2403	Espin 57	DM (47°) 1075	47 24	47 27	....	3±	10 ... 10	1901	Es	
2404	Kr 25	A. G. Hels. 3815	47 27	56 27	109.5	2.65	9.0... 9.5	1890.77	β 1	
2405	Σ 606	DM (69°) 290	47 29	69 14	298.2	37.50	8.0... 8.8	1829.97	Z 3	White
2406	Δ 5	7 <i>Camelopardalis</i>	47 41	53 34	309.1	1.24	4.6... 7.9	1865.38	Δ 8	A and B } 4.6 wk.
					238.3	25.65	... 11.3	1831.57	Z 3	A and C } AC = 2610
2407	Σ 612	....	47 46	7 11	156.9	16.60	7.6... 7.9	1831.58	Z 4	White
2408	H 29	SD (6°) 1017	47 49	- 6 30	295±	30±	9 ... 10	1820+	H	
2409	Hu 32	SD (10°) 1026	47 54	-10 43	248.5	0.98	9.0... 9.1	1900.11	Hu 3	(A. J. 480)
2410	See 41	Cord. G. C. 5548	48 0	-30 52	122.7	9.35	7.5... 13.9	1897.83	See 1	
2411	H 3700	O. Arg. S. 3467	48 2	-20 58	345.3	20±	7 ... 14	1835.9	H	
2412	H 688	....	48 6	27 57	177±	5±	11 = 11	1820+	H	
2413	Σ 595	Redhill 701	48 22	82 19	133.3	3.07	8.8... 11.3	1833.24	Z 3	
2414	H 3262	....	48 24	14 39	228.5	15±	9-10... 10	1831+	H	
2415	O Σ 90	W ^r IV ^h . 1028	48 25	8 24	343.9	2.05	7.0... 9.0	1845.50	O Σ 2	Wh.: ash
2416	H 3702	O. Arg. S. 3447	48 42	-25 21	221.0	21.0	9 ... 10½	1836.9	H	
2417	H 3263	....	48 42	16 42	298.8	3½±	11 ... 11-12	1831+	H	
2418	H 2242	....	48 42	- 9 32	14.2	18±	11 ... 11	1830+	H	
2419	H 2241	O. Arg. N. 5319	48 49	47 49	82.5	9±	10 = 10	1830+	H	
2420	Σ 614	W ^r IV ^h . 1045	48 56	- 0 44	68.4	4.15	8.5... 8.9	1832.10	Z 5	White
2421	β 313	L 9114	49 12	68 59	250±	10±	6.5... 11.5	1874.98	β 1	
2422	H α 16	DM (33°) 929	49 16	34 2	28±	0.6±	8.5... 11	1885.91	Ho	
2423	H 352	SD (4°) 973	49 20	- 4 3	340±	15±	9 ... 10	1820+	H	
2424	H 2243	SD (5°) 1082	49 23	- 5 2	335±	3±	10 = 10	1830+	H	"Neat"
2425	O Σ 89	P IV ^h . 207	49 33	73 53	305.9	0.45	6.2... 7.6	1848.28	O Σ 5	
2426	β 553	α Orionis	49 37	13 19	47.7	28.58	5 ... 12	1877.86	β 2	
2427	β 404	DM (8°) 805	49 50	8 58	111.8	1.56	9.1... 9.3	1877.11	Δ 4	
2428	O Σ 91	L 9268	49 57	2 59	62.8	0.77	7.0... 7.5	1851.85	O Σ 3	
2429	H 2245	....	50 8	20 20	187.7	20±	9 ... 10	1830+	H	
2430	Σ 613	DM (43°) 1143	50 12	43 57	106.5	19.83	7.7... 8.7	1830.92	Z 3	A and B } AB wk. B and C }
					18.8	15.83	... 11.7	1831.77	Z 2	
2431	A 115	SD (2°) 1070	50 16	- 2 4	242.7	1.00	8.6... 12.2	1900.87	A 2	
2432	Sh 48	62 Eridani	50 30	- 5 22	74.7	65.86	....	1821.97	Sh 1	
2433	β 1045	99 Tauri	50 32	23 46	6.2	6.30	6.0... 12.3	1889.09	β 3	
2434	H 353	....	50 59	29 7	245±	9±	10 ... 11	1820+	H	
2435	Σ 616	ω Aurigae	51 6	37 43	351.9	6.46	4.0... 7.9	1828.75	Z 4	Greenish: bluish wh.
2436	Hu 215	SD (11°) 1011	51 7	-11 8	285.4	0.98	8.5... 9.0	1900.16	Hu 1	(A. J. 494)
2437	Espin 14	DM (43°) 1149	51 18	43 8	156.3	32.84	8.5... 9.0	1899.50	Es 4	A and B } (A. N. 3717) B and C }
					285.2	5.39	... 11.8	1899.33	Es 3	
2438	H 3705	O. Arg. S. 3514	51 24	-16 19	139.3	16±	7½... 10	1835.9	H	"Neat star"
2439	Σ 620	W ^r IV ^h . 1096	51 32	13 46	226.3	3.59	8.4... 9.4	1831.12	Z 4	8.4 yel' sh wk.
2440	A 479	SD (6°) 1034	51 34	- 6 36	249.4	2.28	8.6... 10.8	1903.82	A 2	(Bul. L. O. No. 50)
2441	H α 17	W ^r IV ^h . 1122	51 39	30 50	52.2	4.38	8 ... 10	1882.14	Ho 2	
2442	Σ 624	L 9343	51 44	- 5 56	88.6	28.36	8.1... 8.6	1831.89	Z 4	White
2443	Σ 622	P IV ^h . 258	51 52	1 29	179.9	2.64	8.2... 8.2	1832.09	Z 3	White
2444	H α 222	W ^r IV ^h . 1133	4 51 53	31 24	222.6	1.89	7.7... 10.5	1887.02	Ho 2	

Within 121° of the North Pole

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Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
2445	OΣ 92	5 Aurigae	4 ^h 52 ^m 3 ^s	39° 13'	230° 1	2' 78	6.0... 9.7	1849.09	OΣ 3	
2446	Σ 619	O. Arg. N. 5365	52 5	50 5	106.0	5.41	8.7... 8.7	1830.23	Σ 3	White
2447	H 689	Eridani 387	52 8	— 2 24	300±	10±	6-7... 12	1820+	H	
2448	Sh 49	Orionis 26	52 11	14 22	304.6	38.83	7 ... 8	1822.09	S 2	A and B } Yellow: blue
					88.8	....	...(15)	1822.09	S 1	A and C }
2449	Σ 617	DM (62°) 721	52 16	62 15	120.6	12.36	8.5... 8.7	1831.29	Σ 2	White
2450	H 2244	Rad ^r . 1356	52 16	69 12	166.0	100±	9 ... 9+	1830+	H	
2451	Σ 618	DM (62°) 723	52 18	62 54	211.5	32.22	7.0... 7.3	1831.96	Σ 3	White
2452	Σ 623	Aurigae 28	52 25	27 9	205.1	20.40	6.8... 8.3	1829.90	Σ 3	Very wh.: wh.
2453	A. G. 83	A. G. Lund 2454	52 33	39 2	131.8	9.83	9.2... 9.4	1902.70	β 2	
2454	A. G. 84	DM (54°) 851	52 42	54 39	160.0	4.21	8.8... 9.2	1900.56	Es 2	
2455	S 459	β Camelopardali	52 45	60 16	207.7	79.86	5 ... 9	1825.05	S 2	
2456	Σ 626 rej.	W ^r IV ^h . 1135	53 5	10 13	....	Cl. IV	8 ... 10	....	Σ	
2457	Σ 615	DM (73°) 271	53 10	73 25	337.2	1.26	8.0... 9.8	1831.95	Σ 3	8.0 white
2458	Σ 621	W ^r IV ^h . 1160	53 20	39 4	131.4	9.80	9.0... 9.0	1831.54	Σ 3	
2459	β 554	ε Aurigae	53 22	43 39	224.5	29.31	3.2... 14	1878.89	β 1	A and B }
					275.3	42.91	... 11.7	1878.97	β 4	A and C }
					317.1	46.37	... 12.0	1879.47	β 2	A and D }
2460	β 314	Leporis 3	53 39	— 16 34	149.9	0.43	6.6... 6.9	1876.69	Δ 4	A and B }
					29.0	54.45	... 8.2	1889.13	β 2	AB and C }
2461	H V. 57	....	53 42	14 42	303.6	34±	....	1783.73	H 1	A and B }
					f	36.43	....	1783.73	H 1	A and C }
2462	β 1238	L 9373	53 53	26 21	12.6	1.42	8.1... 11.3	1891.82	β 3	
2463	β 315	O. Arg. N. 5402	53 54	49 22	226.0	10.45	9.0... 11.0	1877.35	Δ 2	
2464	OΣ 93	W ^r IV ^h . 1156	54 7	4 55	65.6	1.37	7.5... 9.0	1847.18	OΣ 2	
2465	Σ 625	....	54 8	58 41	114.7	4.44	8.2... 9.8	1831.22	Σ 3	8.2 very yel.
2466	Δ 6	L 9397	54 9	14 20	84.7	0.93	8.8... 9.2	1874.91	Δ 5	
2467	Σ 627	DM (3°) 737, 736	54 16	3 26	260.3	21.31	6.3... 7.0	1831.51	Σ 3	White
2468	S 461	Tauri 323	54 18	26 30	158.6	78.56	7 ... 8½	1824.94	S 2	Yel'sh: white
2469	Σ 628 rej.	Orionis 29	54 22	3 5	....	Cl. IV	8 ... 10	....	Σ	From Cat. Nov.
2470	A 480	A. G. Camb. 2266	54 26	28 7	317.3	0.50	8.0... 11.8	1903.87	A 3	(Bul. L. O. No. 50)
2471	H 5462	....	54 36	8 33	290±	12±	11 ... 13	1823+	H	
2472	Hu 445	DM (20°) 863	54 38	20 39	278.4	0.41	8.5... 8.8	1901.93	Hu 3	(Bul. L. O. No. 21)
2473	H 3709	SD (19°) 1066	54 39	— 19 0	318.4	20±	9 ... 11	1835.9	H	
2474	S 463	L 9439	55 8	11 12	29.6	33.60	7 ... 12	1825.10	S 2	
2475	Σ 631	W ^r IV ^h . 1202	55 9	— 13 41	104.8	5.41	7.2... 8.7	1831.72	Σ 3	White
2476	H 1152	....	55 22:	68 39	42.8	10±	10 = 10	1828+	H	
2477	Hu 820	DM (51°) 1016	55 26	51 44	206.6	1.80	8.7... 10.0	1902.72	Hu 1	(See p. 1065)
2478	H 354	....	55 36	29 10	310±	8±	10 = 10	1820+	H	
2479	H 1153	....	55 42	69 10	48.2	12±	10 = 10	1828+	H	
2480	Σ 13, App. I	11 and 12 Camelop.	55 43	58 48	7.1	181.32	5.0... 6.0	1836.25	Σ 5	Bluish: very yel. or red
2481	Σ 630	P IV ^h . 278	55 47	1 26	49.2	14.00	6.8... 8.0	1832.08	Σ 3	Wh.: bluish
2482	A. G. 85	A. G. Alb. 1540	56 4	4 9	177.0	8.99	8.9... 9.3	1903.14	M 3	
2483	Weisse 5	W ^r IV ^h . 1215	56 6	13 11	....	....	9 ...	....	....
2484	A. G. 86	A. G. Lund 2485	56 6	35 36	17.8	2.59	9.0... 9.2	1902.70	β 2	
2485	See 44	O. Arg. S. 3581	56 17	— 23 53	333.8	1.93	7.5... 9.8	1897.83	See 1	
2486	A. G. 87	A. G. Alb. 1544	56 21	4 26	280.9	30.59	8.8... 10.2	1903.13	M 3	
2487	H 3714	....	56 29	— 16 28	276.7	7±	11 = 11	1835.9	H	
2488	H 2247	SD (5°) 1135	56 51	— 5 53	55.6	10±	10 ... 14	1830+	H	
2489	H 690	....	57 7	28 56	280±	6±	9 ... 13	1820+	H	
2490	Weisse 6	W ^r IV ^h . 1261	57 8	27 32	....	....	8 ...	....	....
2491	Ho 224	DM (28°) 741	57 10	28 33	278.2	1.82	9.0... 10.7	1887.02	Ho 2	(A. N. 2977)
2492	A. G. 88	A. G. Leiden 1849	57 13	30 44	286.2	15.90	8.7... 8.8	1902.63	β 2	(See p. 1065)
2493	H 355	57 14	30 14	290±	15±	11 ... 11+	1820+	H	H (vii) 9.5... 10
2494	Σ 636	W ^r IV ^h . 1249	4 57 17	— 8 50	100.4	3.74	7.5... 8.6	1830.84	Σ 4	White

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Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
2495	β 1046	9 Aurigae	4 ^h 57 ^m 17 ^s	51° 26'	93° 8'	6.29	5.5...12.7	1888.92	β 3	A and B }
					62.2	79.50	... 9.0	1783.30	181	A and C }
2496	β 884	L 9534	57 22	-12 36	199.0	0.54	8.0... 8.0	1979.09	β 2	
2497	β 749	DM (55°) 958	57 37	55 22	225.9	0.91	7.9...10.0	1879.73	β 2	
2498	H 31	W ⁺ IV ^h . 1261	57 44	- 5 19	....	15±	9 ...	1820+	H	"Double" in <i>Scdf.</i>
2499	H 2246	....	57 45	52 53	169.4	9±	11 = 11	1830+	H	Another obs.
2500	Ho 223	DM (35°) 972	57 48	35 41	42.0	1.44	8 ...12	1890.05	Ho 2	P=173° 4
2501	G. Anderson 1	....	58 :	49 0:	337.8	5.55	10 ...10.5	1876.04	H1 1	(<i>A. N.</i> 2977) (See p. 2065)
2502	Σ 639	W ⁺ IV ^h . 1264	58 0	- 3 2	76.9	5.23	8.2... 9.0	1832.06	Σ 3	White
2503	Σ 635	DM (54°) 862	58 2	54 50	280.6	0.41	8.3... 8.3	1830.02	Σ 4	
2504	OE 94 <i>rej.</i>	O. Arg. N. 5495	58 7	50 8	304.0	15.60	7 ... 9-10	1843.27	Ma 1	A and B }
					63.3	20±	...10	1843.27	Ma 1	A and C }
2505	H 2248	....	58 14	47 11	334.5	13±	10 ...12	1830+	H	
2506	OE 97	W ⁺ IV ^h . 1301	58 23	22 54	157.7	0.51	6.1... 7.8	1852.46	OE 4	
2507	H.C. Wilson 1	SD (20°) 997	58 25	-20 39	83.6	9.53	9.0... 9.5	1883.91	W 1	
2508	A 481	SD (6°) 1075	58 26	- 6 12	357.0	0.24	7.0... 8.0	1903.83	A 4	(<i>Bul. L. O.</i> No. 90)
2509	OE 95	P IV ^h . 288	58 28	19 38	344.2	0.55	6.6... 7.2	1845.96	OE 4	White
2510	H 691	DM (9°) 725	58 39	9 4	45±	25±	9 ...12	1820+	H	Yellow: dusky blue
2511	Σ 640	W ⁺ IV ^h . 1310	59 11	33 15	98.8	9.32	8.2... 9.5	1829.24	Σ 2	A and B }
					305±	18±	...(12)	1820+	H	A and C }
2512	A 482	SD (6°) 1081	59 15	- 6 41	170.2	4.16	8.5...10.5	1903.82	A 2	(<i>Bul. L. O.</i> No. 90)
2513	Σ 633	DM (63°) 566	59 20	63 27	342.4	12.28	6.7...10.3	1831.31	Σ 3	6.7 wh.
2514	H.C. Wilson 2	....	59 39	-20 25	186.8	8.40	9.0...12.0	1883.91	W 1	
2515	H 3265	DM (36°) 1009	59 55	36 54	142.8	15±	9-10=9-10	1831+	H	
2516	OE 96 <i>rej.</i>	Rad ^r . 1404	59 56	48 58	....	12.	6-7...11	....	OE	
2517	H 357	....	5 0 2	28 58	350±	10±	9 ...11	1820+	H	H (VII) 340°: 20°: 11...11
2518	A. G. 89	A. G. Alb. 1570	0 2	2 47	357.0	1.88	9.0... 9.1	1903.13	Cg 3	
2519	H 692	DM (35°) 987	0 4	35 59	175±	6±	9-10...11-12	1820+	H	Double in A. G.
2520	H 3267	W ⁺ IV ^h . 1348	0 4	16 40	153.1	30±	8-9...11	1831+	H	
2521	β 750	γ Casti	0 5	-35 39	316.0	2.69	4.5... 8.7	1892.01	β 3	
2522	H 3266	....	0 6	36 51	69.4	5±	10 ...12	1831+	H	"In cluster VIII, 61"
2523	Hu 446	DM (22°) 830	0 8	22 34	183.0	0.90	9.2... 9.8	1901.91	Hu 4	(<i>Bul. L. O.</i> No. 21)
2524	Σ 637	O. Arg. N. 5520	0 11	67 41	22.6	20.25	8.2...10.0	1831.30	Σ 2	8.2 <i>yel'sk</i>
2525	Ku 21	DM (10°) 714	0 17	10 50	211.9	5.72	9.5...10.2	1901.63	Ku 2	Kustner (382)
2526	H 2250	....	0 26	1 42	92.1	5±	10-11...12	1830+	H	
2527	H 2252	....	0 26	- 9 2	152.4	3±	11 ...11-12	1830+	H	"Neat"
2528	S 466	105 Tauri	0 45	21 33	251.0	109.99	7 ...10	1825.04	S 2	
2529	H 3720	O. Arg. S. 3650	0 45	-15 36	149.6	20±	8 ...10	1835.9	H	
2530	Σ 642 <i>rej.</i>	66 Eridani	0 48	- 4 49	9.4	52.50	6.0... 9.2	1879.95	β 2	
2531	Edgecomb	103 Tauri	0 48	24 6	147.9	12.94	6 ...12.5	1878.98	β 1	A and B }
					197.0	34.98	... 9.0	1878.98	β 1	A and C }
2532	Σ 638	O. Arg. N. 5529	1 6	69 41	222.4	5.32	7.5... 8.5	1831.61	Σ 3	<i>Yel'sk</i> : very blue
2533	H 2249	DM (47°) 1102	1 6	47 21	100.5	12±	9-10...11	1820+	H	
2534	β 751	DM (42°) 1184	1 16	42 31	258.0	3.07	8.4...10.0	1891.85	β 3	A and B }
					204.3	24.42	...11.7	1899.09	β 1	A and C }
2535	OE 98	14 Orionis	1 21	8 20	250.8	1.14	6.0... 6.8	1844.53	OE 3	
2536	Σ 643	DM (8°) 867	1 23	8 15	295.2	2.68	8.5... 8.5	1831.76	Σ 3	
2537	H 3723	SD (19°) 1099	1 37	-19 56	54.3	4±	9 ...10	1835.9	H	
2538	Σ 641 <i>rej.</i>	....	1 39:	57 14:	....	Cl. IV	8 ...10	....	Σ	From <i>Cat. Nov.</i>
2539	H 2251	....	1 54	52 56	319.9	15±	10 ...12	1830+	H	
2540	Hu 216	SD (10°) 1101	2 3	-10 1	229.9	2.40	8.5...13.5	1900.16	Hu 1	(<i>A. J.</i> 494)
2541	Σ 632	DM (78°) 180	2 4	78 14	46.0	2.23	8.0...10.0	1831.95	Σ 3	8.0 white
2542	OE (App) 61	W ⁺ IV ^h . 1414	2 5	29 40	243.6	69.12	6.5... 8.0	1874.88	A 3	
2543	Σ 644	W ⁺ IV ^h . 1407	2 11	37 9	219.2	1.61	6.7... 7.0	1828.60	Σ 3	Gold: bluish red
2544	β 1047	Aurigae 47	5 2 13	27 53	26.8	11.71	6.2... 8.2	1829.90	Σ 3	A and B }
					75.3	0.44	8.7... 9.2	1889.09	β 3	B and C }

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
2545	See 46	SD (22°) 1012	5 ^h 2 ^m 14 ^s	-22° 48'	357° 8'	14.07	7.3...11.8	1897.77	See 2	
2546	Σ 649	W ¹ IV ^h . 1399	2 35	- 8 49	80.8	21.59	7.0... 8.7	1831.90	Σ 4	White: blue
2547	Σ 646	DM (39°) 1198	2 46	39 8	72.5	15.87	8.2... 9.0	1831.21	Σ 2	Yel'sh: wh.
2548	Σ 634	Camelop. 19 (Hev.)	2 47	79 5	348.6	34.04	4.5... 7.9	1834.15	Σ 6	Yel'sh: wh.
2549	OΣ 99 rej.	15 Orionis	2 50	15 27	....	....	5 ...	....	OΣ	
2550	H 5464	....	3 12	- 0 47	140±	4±	10 ...12	1823+	H	
2551	Σ 648	W ¹ IV ^h . 1453	3 14	31 53	74.3	4.68	7.4... 8.1	1831.16	Σ 4	Yel'sh: bluish
2552	A. G. 90	DM (24°) 772	3 23	25 0	....	....	8.6...	....	....
2553	S 468	DM (13°) 822	3 27	13 51	162.6	27.18	9 ...10	1825.00	S 2	
2554	OΣ 100	W ¹ V ^h . 15	3 28	8 1	247.2	4.32	7.0... 9.8	1848.51	OΣ 3	7.0 white
2555	A. G. 91	DM (5°) 823	3 32	5 56	216.2	13.32	9.2... 9.6	1895.29	Lp	
2556	H 3268	....	3 46	16 22	261.7	10±	10 ...11	1831+	H	"In a cluster"
2557	H 358	DM (35°) 1008	3 54	35 35	140±	15-20	10 ...11	1820+	H	
2558	Σ 629	Redhill 732	4 4	83 18	342.1	13.16	8.2...11.2	1832.77	Σ 4	
2559	A 483	SD (9°) 1086	4 11	- 9 16	58.7	3.62	9.3... 9.8	1903.84	A 2	(Bul. L. O. No. 50)
2560	Σ 651	W ¹ V ^h . 38	4 14	- 7 13	101.7	10.81	8.0...10.0	1829.67	Σ 2	
2561	A 484	SD (7°) 993	4 33	- 7 44	298.1	0.19	8.5... 8.5	1903.92	A 3	(Bul. L. O. No. 50)
2562	Hu 821	DM (51°) 1043	4 37	51 17	186.9	0.99	8.0... 8.5	1902.96	Hu 1	(See p. 1065)
2563	See 47	Cord. DM (22°) 2039	4 40	-22 39	39.3	3.52	6.5...13.4	1897.78	See 2	
2564	A 50	SD (5°) 1177	4 41	- 5 5	104.4	2.93	8.6...12.5	1900.19	A 3	(A. N. 3668)
2565	β 885	L 9758	4 53	- 1 55	196.1	0.71	8.3... 8.4	1880.80	β 3	
2566	OΣ 101	L 9691	4 54	46 50	184.6	5.75	7.3... 9.8	1848.44	OΣ 3	7.2 white
2567	A 485	SD (9°) 1089	4 58	- 9 33	122.2	4.04	9.0...12.0	1903.84	A 2	(Bul. L. O. No. 50)
2568	H 3269	....	5 4	16 36	60.4	20±	9 ...11	1831+	H	
2569	A 210	A. G. Camb. 2348	5 12	26 7	91.2	0.41	8.5... 9.5	1901.99	A 2	
2570	H 3727	....	5 14	-19 3	32.3	2±	9 ...10	1835.9	H	
2571	Hu 33	DM (0°) 974	5 32	0 22	324.2	0.16	7.5... 8.0	1899.09	Hu 3	
2572	Hu 822	DM (51°) 1044	5 32	51 11	183.7	4.64	8.5...12.0	1902.96	Hu 1	(See p. 1065)
2573	Σ 652	W ¹ V ^h . 64	5 34	0 53	184.3	1.71	6.3... 7.8	1830.18	Σ 3	Yel'sh: wh.
2574	OΣ (App) 62	W ¹ V ^h . 60	5 34	6 41	48.2	123.39	7.4... 7.7	1875.31	A 3	
2575	H 3270	....	5 44	16 21	....	....	10 ...10	1831+	H	
2576	β 1006	SD (2°) 1169	6 17	- 2 21	201.7	0.78	9.6...11.0	1882.00	β 2	A and B }
					177.8	52.29	... 9.7	1882.00	β 2	A and C }
2577	H 1154	....	6 21	71 6	91.0	18±	9 ...15	1828+	H	
2578	A 51	SD (3°) 1037	6 27	- 3 11	96.5	1.40	8.5... 8.6	1900.20	A 2	(A. N. 3668)
2579	H 2253	O. Arg. N. 5644	6 37	51 49	22.5	18±	7-8...17	1830+	H	
2580	A 211	DM (31°) 894	6 37	31 34	131.6	4.29	8.5...12.5	1901.97	A 3	
2581	Σ 655	κ Leporis	6 42	-12 1	337.6	12.81	4.2...10.5	1832.25	Σ 6	4.2 greenish
2582	H 359	....	6 45	27 52	65±	8±	9 ...10	1820+	H	
2583	Hu 556	DM (35°) 1022	6 59	35 13	136.3	2.29	8.2...12.5	1901.88	Hu 3	(Bul. L. O. No. 27)
2584	Σ 654	ρ Orionis	7 1	2 43	63.5	7.05	4.7... 8.5	1832.05	Σ 4	Very yel.: blue
2585	H 694	....	7 7	33 0	95±	4±	11 ...12	1820+	H	
2586	H 2255	....	7 10	52 6	107.5	10±	12 = 12	1830+	H	
2587	S 470	SD (17°) 1047	7 14	-17 36	277.6	48.30	10 ...10½	1825.05	S 2	
2588	OΣ 517	L 9802	7 18	1 49	279.8	0.63	6.5... 6.7	1854.87	OΣ 3	A and B }
					134.6	6.73	...(13)	1878.08	H1 2	AB and C }
2589	A. G. 92	A. G. Leiden 1934	7 31	30 12	334.5	21.92	9.2... 9.4	1902.63	β 2	
2590	H 2257	W ¹ V ^h . 127	7 33	- 4 48	256.2	30±	5.6...11	1830+	H	
2591	Σ 653	14 Aurigae	7 36	32 33	342.4	12.58	5.0...11.0	1830.55	Σ 3	A and B } AC greenish: blue
					225.6	14.65	... 7.2	1830.55	Σ 3	A and C }
2592	OΣ 102	L 9806	7 37	0 25	....	....	6.5...	....	OΣ	
2593	Σ 664	W ¹ V ^h . 119	7 39	8 18	167.6	5.02	7.5... 8.0	1829.84	Σ 3	White
2594	Σ 661	κ Leporis	7 40	-13 5	358.7	3.05	5.0... 7.9	1832.23	Σ 6	Yel'sh: blue
2595	Hu 34	SD (10°) 1125	7 41	-10 46	109.5	1.05	8.9...12.5	1900.05	Hu 2	(A. J. 480)
2596	A 661	SD (7°) 1005	5 7 44	- 7 28	171.2	0.27	9.1... 9.6	1904.01	A 3	(Bul. L. O. No. 61)

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
2597	♄ VI. 30	α Aurigae (Capella)	5 ^h 7 ^m 49 ^s	45° 53'	22° 6'	46.63	1 ... 16	1898.51	Bar 3	A and B
					317.5	78.17	... 14	1878.89	β 1	A and C
					183.2	126.2	... 12.5	1878.04	β 1	A and D
					315.8	143.21	... 11	1878.89	β 1	A and E
					146.1	158.01	... 10	1878.89	β 1	A and F
					348.0	454.2	... 9	1821.22	Sh 1	A and G
2598	H 3732	Lac. 1753	8 4	-27 20	216.5	80±	8=8	1834.9	H	"Both fine yellow"
2599	See 48	Cord. DM (28°) 2028	8 5	-28 36	2.1	2.32	8 ... 9.9	1897.83	See 1	
2600	H 361	....	8 7	33 0	105±	3±	12 ... 13	1820+	H	"Very delicate object"
2601	A 212	A. G. Camb. 2369	8 10	29 20	302.4	3.04	8.8...12.7	1901.97	A 3	A and B
					22.8	19.15	....	1901.97	A 2	A and C
					48.6	4.00	10.0...16.0	1902.00	A 2	C and D
2602	Σ 658	DM (38°) 1087	8 24	38 55	188.1	5.52	8.3...10.3	1832.25	Z 3	8.3 white
2603	Σ 662	L 9809	8 35	25 49	102.2	5.29	7.9...11.0	1831.14	Z 4	7.9 white
2604	Σ 665	W ² V ^h . 182	8 38	19 36	260.1	1.80	8.3... 9.2	1831.11	Z 3	
2605	β 553	β Orionis (Rigel)	8 47	- 8 20	172.8	0.35	....	1878.14	β 2	B and C
					199.8	9.14	1.0... 8.0	1831.53	Z 3	A and B
					1.5	44.48	...12.5	1878.82	β 2	A and D
2606	Σ 667	W ² V ^h . 165	8 52	- 7 13	312.7	4.19	7.5... 9.0	1830.83	Z 3	Very yel.: ash
2607	β 317	L 9852	8 54	-23 8	12.4	9.16	7.5...11.0	1876.05	Cin 1	
2608	H 3271	DM (37°) 1117	8 59	37 39	352.4	12±	10 ... 10	1831+	H	Double in A. G.
2609	Σ 657	DM (52°) 942	9 11	52 43	273.2	1.42	7.5... 8.0	1835.94	Z 3	White
2610	Σ 666	DM (33°) 991	9 14	33 12	71.3	2.98	8.0... 8.0	1830.55	Z 3	Very white
2611	Σ 656	DM (62°) 743	9 22	63 2	217.2	2.62	8.3...10.0	1831.92	Z 3	8.3 white
2612	Weisse 7	W ² V ^h . 199	9 31	31 8	....	....	9 ...	....	....
2613	Σ 670	P V ^h . 20	9 43	18 18	171.1	2.33	7.7... 8.2	1830.53	Z 3	White: bluish
2614	Hu 823	DM (48°) 1249	9 45	48 56	8.4	4.27	8.9...11.5	1902.96	Hu 1	(See p. 1065)
2615	Σ 671	W ² V ^h . 222	9 58	25 57	125.8	17.23	8.5... 9.0	1829.21	Z 4	White
2616	β 885½	L 9823	10 0	37 30	69.3	2.31	7.5... 9.5	1880.21	β 6	
2617	Σ 659	DM (64°) 520	10 3	64 47	314.0	5.56	8.7... 9.7	1831.61	Z 3	
2618	Σ 669	DM (45°) 1090	10 9	45 7	275.5	9.74	7.8... 8.3	1831.22	Z 3	Very white
2619	Σ 675	W ² V ^h . 190	10 11	- 5 43	4.5	9.26	8.8... 9.0	1830.50	Z 3	Very white
2620	Σ 672 rej.	....	10 12:	16 38:	....	CL IV	8 ... 10	....	Z	From Cat. Nov.
2621	A. G. 93	A. G. Lund 2629	10 14	39 27	....	....	....	....	....
2622	β 318	L 9873	10 15	- 3 37	227.2	0.66	8.3... 8.7	1876.23	β 3	
2623	O Σ 103	16 Aurigae	10 18	33 15	56.5	4.49	5.2...11.0	1848.02	O Σ 2	5.0 yel. (See p. 1065)
2624	Ho 334	W ² V ^h . 235	10 18	22 42	186.8	1.76	8.1...10.2	1893.19	Ho 1	(A. N. 3933)
2625	Σ 674	P V ^h . 25	10 19	20 0	147.3	10.55	6.5... 9.5	1828.19	Z 3	6.5 very white
2626	H 1155	DM (70°) 350	10 25	70 31	45.7	20±	9-10...10	1828+	H	
2627	Σ 3, App. II	λ Aurigae	10 42	39 59	274.4	29.11	...13.5	1900.78	β 2	A and B
					197.6	40.47	5.2...12.2	1879.28	β 3	A and C
					29.0	103.60	... 8.7	1836.21	Z 3	A and D
2628	Σ 663	....	10 42	66 5	73.9	2.55	7.5...10.7	1831.31	Z 3	7.5 yel'ish wh.
2629	Hu 35	SD (11°) 1118	10 44	-11 57	64.7	2.70	9.0...10.8	1900.05	Hu 3	(A. J 480)
2630	♄ V. 88	DM (39°) 1250	10 46	40 0	215.9	35.25	....	1783.49	H 1	
2631	Espin 59	DM (33°) 1005	10 49	33 24	10.2	14.02	8.5... 9.0	1882.24	β 2	
2632	Howe 12	Cord. DM (29°) 2146	10 52	-29 39	231.6	2.49	8.5... 9.5	1877.12	Cin 2	
2633	A 52	SD (5°) 1210	11 0	- 5 46	159.9	1.76	8.5...13.0	1900.20	A 2	(A. N. 3668)
2634	Σ 678	W ² V ^h . 216	11 17	4 33	96.5	3.28	8.3... 8.8	1830.83	Z 3	White
2635	Ho 18	L 9876	11 28	33 52	164.1	3.94	7.7...13	1885.50	Ho 3	
2636	Σ 673	O. Arg. W. 5732	11 31	50 29	269.6	1.33	8.3...10.2	1830.93	Z 3	
2637	Σ 681	DM (46°) 998	11 42	46 50	180.5	23.40	6.3... 8.3	1831.95	Z 3	Yel'ish wh.
2638	Weisse 8	W ² V ^h . 269	11 43	36 6	329.7	2.83	8.9... 9.0	1901.25	β 2	bluish wh.
					224.8	10.12	...13.5	1901.25	β 2	A and B
2639	β 188	τ Orionis	5 11 47	- 6 58	49.1	3.77	11 ... 12	1876.22	H 1	B and C
					250.4	18±	4 ... 14	1830.	H 1	A and B
					63.8	18±	... 12	1830.	H 1	A and D

Within 121° of the North Pole

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Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
2640	H 3272	DM (39°) 1257	5 ^h 11 ^m 48 ^s	39° 14'	345° 0	15" ±	7-8...14	1831+	H	A and B } A and C } A and D }
					320 ±	20 ±	...14	1831+	H	
					39.3	24 ±	...13	1831+	H	
2641	Kr 26	A. G. Eals. 3992	12 1	55 48	71.0	9.75	9.3... 9.5	1890.77	β 1	
2642	H 2760	....	12 6	-10 49	175 ±	25 ±	10 = 10	1830+	H	"P est. from diagram"
2643	Hu 36	SD (11°) 1126	12 7	-11 6	185.6	0.73	9.0...11.5	1900.04	Hu 2	(A. J. 480)
2644	Σ 680	P V ^h . 37	12 9	20 1	201.8	8.72	6.3...10.2	1827.85	Z 3	6.3 <i>yel.</i>
2645	S 473	L 9950	12 10	-15 21	304.0	20.84	8 ...10	1825.06	S 3	
2646	H 695	DM (9°) 797	12 10	9 7	325 ±	6 ±	10 ...11	1820+	H	
2647	Σ 679	DM (25°) 816	12 21	25 2	316.3	20.00	8.7... 9.1	1829.73	Z 5	
2648	Σ 682 <i>rej.</i>	DM (3°) 845	12 22	3 51	89.0	20 ±	10 ...11	1830+	H	
2649	See 49	SD (18°) 1046	12 25	-18 16	179.8	5.01	8.1...13.3	1897.77	See 1	
2650	Σ 683	L 9929	12 55	25 3	80.1	12.13	7.8...10.0	1827.84	Z 3	7.8 <i>white</i>
2651	H 2258	DM (53°) 891	13 1	53 27	39.4	25 ±	9-10...13	1830+	H	
2652	Σ 676	O. Arg. W. 5746	13 4	64 37	282.4	0.82	7.5... 8.5	1831.63	Z 3	<i>White</i>
2653	Espin 60	DM (40°) 1261	13 5	40 43	269.4	5.7	9.1... 9.1	1901	Es	(A. N. 3784)
2654	A 53	SD (3°) 1061	13 6	- 3 12	45.6	4.94	8.5...12.5	1900.20	A 2	
2655	Cordoba	Cord. G. C. 6100	13 14	-27 37	274.0	3.21	9 ... 9.5	1902.16	I 1	
2656	H 696	DM (27°) 757	13 20	27 58	220 ±	8 ±	9 ...11	1820+	H	
2657	Σ 677	O. Arg. W. 5751	13 24	63 16	279.4	1.74	7.7... 8.0	1831.77	Z 4	<i>Very white</i>
2658	Σ 684	DM (44°) 1182	13 24	44 58	136.3	1.50	8.0... 9.8	1830.89	Z 3	8.0 <i>yel'ish wh.</i>
2659	A 213	A. G. Camb. 2418	13 28	25 37	14.9	4.19	8.5...13.5	1901.99	A 3	
2660	See 50	L 9986	13 30	-18 16	199.2	28.93	5 ...12.8	1897.77	See 1	
2661	Σ 686	W ² V ^h . 335	13 37	23 55	219.9	9.19	7.9... 8.1	1830.36	Z 5	<i>White</i>
2662	Σ 688	W ² V ^h . 273	13 43	-10 52	274.3	10.50	7.0... 7.4	1832.17	Z 4	<i>Yel'ish: bluish wh.</i>
2663	Espin 61	DM (40°) 1263	13 44	40 40	356.7	2.4	9.0... 9.2	1901	Es	(A. N. 3784)
2664	H 2261	....	13 46	- 4 14	213.0	6 ±	14 = 14	1830+	H	
2665	H III. 94	....	13 48:	-11 14	94.0	11.73	....	1783.04	H 1	
2666	S 476	L 10020	14 2	-18 38	17.3	39.71	7½... 7½	1824.94	S 2	
2667	Espin —	DM (49°) 1345	14 9	49 27	173.8	9.30	8.4... 9.0	1900.49	Es 2	(A. N. 3727)
2668	OΣ 104	L 9939	14 15	46 54	190.7	15.78	7.0...11.0	1847.02	OΣ 2	
2669	β 886	DM (33°) 1020	14 24	33 41	67.6	17.17	8.2... 9.0	1829.24	Z 2	A and B } A and C } C and D }
					153.5	48.73	... 9.2	1829.24	Z 2	AB = Σ 687
					246.9	0.90	8.5...10.0	1882.22	β 1	
2670	β 189	Orionis 81	14 33	- 5 28	283.6	4.27	6.8...11.5	1875.86	Δ 3	
2671	Σ 685	DM (50°) 1161	14 33	50 21	315.3	2.03	8.2...10.0	1831.02	Z 4	8.2 <i>yel.</i>
2672	β 887	DM (33°) 1026	14 33	33 18	194.3	1.00	9.0...10.5	1882.22	β 2	A and B } A and C } A and D } A and E }
					112.8	9.54	...13.5	1898.84	β 1	
					332.8	10.56	...12.0	1882.24	β 3	
					201.6	14.80	...13.5	1898.84	β 1	
2673	β 190	Orionis 82	14 38	- 8 9	355.3	0.71	7.9... 8.7	1876.15	Δ 4	A and B } A and C } A and D }
					4.2	34.86	7.8... 8.8	1831.48	Z 3	AC = Σ 698
2674	H 362	DM (29°) 874	14 53	29 9	155 ±	12 ±	9 ...10	1820+	H	A and B } A and C } A and D }
					270 ±	15 ±	....	1820+	H	"Quintuple or sextuple"
					320 ±	30 ±	....	1820+	H	
2675	H 3749	....	14 56	-30 11	146.6	15 ±	10 = 10	1835.9	H	
2676	OΣ 105	L 10015	14 56	12 33	110.0	0.72	7.8... 7.8	1848.20	OΣ 2	
2677	H 3750	Leporis 28	15 20	-21 22	295.3	3 ±	5 ...10	1835.90	H	
2678	H 1156	....	15 20	70 12	222.6	3 ±	12 ...13	1828+	H	"To the n is a fine coarse double star"
2679	H 363	DM (34°) 1023	15 20	34 2	135 ±	9 ±	9-10...14	1820+	H	
2680	Σ 691	W ² V ^h . 370	15 21	31 3	300.2	25.60	8.5... 9.0	1828.73	Z 2	
2681	H 697	B. A. O. 1657	15 24	- 0 32	50 ±	20 ±	5 ...13	1820+	H	A and B } A and C }
					110 ±	30 ±	....	1820+	H	
2682	Ma 2	SD (7°) 1050	15 32	- 7 0	158.8	3.20	9.0... 9.5	1843.13	Ma 1	
2683	Σ 693	SD (2°) 1222	15 37	- 2 10	8.9	3.65	8.7... 9.0	1831.08	Z 3	<i>White</i>
2684	OΣ 106	W ² V ^h . 324	5 15 47	5 17	41.7	9.31	6.8...10.2	1848.51	OΣ 3	7.0 <i>white</i>

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
2685	Espin 62	DM (40°) 1277	5 ^h 15 ^m 48 ^s	41° 1'	61.9	2.7	9.5...12.0	1901	Es	A and B } (A. N. 3764) A and C }
					306.6	14.2	....	1901	Es
2686	β 1317	DM (39°) 1290	16 0	39 32	26.9	0.60	9.0... 9.4	1902.82	β 4	So white
2687	Σ 689	DM (67°) 385	16 16	67 48	323.9	5.72	8.0...10.0	1831.61	Σ 3	
2688	H 698	....	16 22	0 57	240±	6±	10 ...12	1820+	H
2689	A. G. 94	A. G. Lund 2703	16 24	39 38	105.6	2.98	9.3... 9.3	1902.73	β 3	
2690	β 888	ε Aurigae	16 30	37 16	171.0	7.91	6.0...12.0	1880.14	β 4	A and B } A and C } C and D }
					330.5	27.24	...14.2	1898.87	β 2	
					348.1	4.4	...16	1898.96	β 1	
					9.8	19.11	8.5... 9.5	1830.72	Σ 2	
2691	Σ 690	DM (57°) 881	16 30	57 42	9.8	19.11	8.5... 9.5	1830.72	Σ 2	Greenish wh.: wh. Wh.: bluish wh. A and B } AB and C } White
2692	Σ 696	23 Orionis	16 32	3 26	28.1	31.71	5.0... 7.0	1831.44	Σ 4	
2693	Σ 697	DM (15°) 805	16 38	15 56	285.0	25.96	7.2... 8.2	1829.83	Σ 3	
2694	Σ 694	DM (24°) 826	16 38	24 51	4.2	1.34	8.2=8.2	1829.51	Σ 3	
					338.6	8.66	...15.5	1876.13	H1 1	A and B } A and C } White
2695	H 3752	P Vh. 70	16 51	-24 54	110.3	3.33	6 ... 9½	1837.4	H	
					106.1	58.81	... 9	1837.4	H	
					5.3	4.52	8.0... 8.2	1831.48	Σ 3	
2696	Σ 700	DM (0°) 1035	16 54	0 57	5.3	4.52	8.0... 8.2	1831.48	Σ 3	White
2697	H 364	DM (22°) 890	17 1	22 2	320±	8±	10=10	1820+	H	
2698	Hu 447	DM (20°) 945	17 9	20 4	210.2	4.90	8.5...13.0	1901.98	Hu 3	
2699	Σ 698	DM (34°) 1031	17 14	34 45	346.2	31.11	6.2... 7.7	1831.23	Σ 4	
2700	A 486	SD (8°) 1105	17 18	- 8 13	69.7	0.29	8.5... 9.5	1903.83	A 3	(Bul. L. O. No. 92) Yel.: bluish (Bul. L. O. No. 90)
2701	β 191	DM (34°) 1033	17 19	34 27	24.8	3.24	10.1...10.4	1875.94	Δ 4	
2702	Hu 73	O. Arg. B. 3901	17 20	-17 23	48.9	2.42	9.0...10.5	1888.16	Com 3	
2703	S 478	111 Tauri	17 25	17 16	271.3	61.76	7 ...10	1825.06	S 2	
2704	Σ 699	W ² Vh. 430	17 26	37 56	342.9	8.77	7.3... 8.0	1830.87	Σ 3	Very white Very wh.: ash
2705	Σ 701	Orionis 88	17 33	- 8 32	146.0	5.93	6.7... 8.5	1830.48	Σ 3	
2706	Wu 2	B. A. C. 1678	17 43	- 0 59	169.8	1.64	6.5... 6.8	1866.53	OZ 3	
2707	O. Stone 10	L 10131	17 55	-10 32	121.1	1.10	8.0... 8.0	1877.95	Cin 2	
2708	Hu 74	17 58	-17 18	233.4	6.01	9.5... 9.7	1888.30	Com 2	A and B } A and C } A and B } A and C }
2709	H I. 75	....	18 :	2 16	359.6	....	....	1783.02	H 1
2710	Σ 702	L 10134	18 21	2 15	78.6	8.04	8.8... 9.3	1831.42	Σ 3	
2711	S 479	W ² Vh. 389	18 25	1 42	218.7	46.63	9 ...10	1825.22	S 2	
					35.3	158.16	... 5	1825.22	S 2	A and B } A and C } A and B } A and C }
2712	Da 5	η Orionis	18 27	- 2 30	87.2	0.98	4 ... 5	1849.25	Da 14	
					54.8	110.95	...10	1783.74	H 1	
					36.8	3.65	8.2... 9.3	1829.21	Σ 3	
2713	Σ 706	DM (30°) 892	18 37	30 15	36.8	3.65	8.2... 9.3	1829.21	Σ 3	White
2714	Σ 705	DM (35°) 1100	18 37	35 17	12.2	18.34	9.2... 9.5	1829.91	Σ 3	
2715	β 556	L 10159	18 39	- 2 36	242.2	0.76	7 ...12	1878.17	β 2	
2716	H 2262	....	18 50	52 9	173±	18±	11=11	1830+	H
2717	Σ 709	SD (7°) 1068	18 55	- 7 49	318.3	10.08	9.1...10.1	1830.90	Σ 4	White
2718	Σ 708	P Vh. 84	18 57	1 49	323.1	2.61	8.2... 9.8	1831.81	Σ 3	
2719	H VI. 68	L 10165	19 0	- 2 57	277.9	120.18	....	1783.76	H 1
2720	A 487	SD (9°) 1145	19 6	- 9 20	95.8	0.28	9.2... 9.6	1903.96	A 3	
2721	Ho 226	W ² Vh. 507	19 28	27 30	230.2	0.50	7 ... 7	1887.14	Ho 2	A and B } C and D } A and C } White
2722	Δ 7	....	19 32	34 19	329.0	20.87	9.3...10.0	1864.79	Δ 3
					51.9	28.77	9.2...10.8	1867.61	Δ 3	
					283.0	170.95	....	1868.08	Δ 2
2723	Σ 710	W ² Vh. 425	19 36	-11 25	193.6	10.72	8.2... 8.3	1831.50	Σ 3	A and B } A and C } A and D } AE=Σ 707 A and E } A and F }
2724	Lewis 6	DM (34°) 1046	19 38	34 39	302.5	2.30	8 ...11	1899.05	L 1	
2725	H 3273	....	19 46	15 7	97.6	10±	10-11...11	1831+	H
2726	....	SD (2°) 1247	20 7	- 2 23	31.6	3.29	9.0...10.0	1883.20	β 1
2727	S 483	L 10164	20 9	33 41	59.1	87.60	7 ... 9	1825.11	S 2	A and B } A and C } A and D } A and E } A and F }
2728	β 889	W ² Vh. 518	5 20 10	34 19	223.5	1.11	8.5...10.0	1878.91	β 1	
					102.6	3.76	...14.1	1891.95	β 3	
					108.0	12.04	...13.8	1891.95	β 3	
					131.6	18.29	...10.2	1830.75	Σ 2	
					200.7	27.77	...11.5	1878.91	β 1	

Within 121° of the North Pole

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N	N	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
2739	OE 107	115 <i>Tauri</i>		5h 20m 10s	17° 51'	304.9	10.15	6.0...10.8	1849.54	OZ	3 6.0 white
2740	A 318	A. G. Bertin 1746		20 12	24 38	358.4	2.84	8.7...13.7	1902.53	A	2 (Bul. L. O. No. 29)
2741	Σ 712	L 10195		20 14	2 50	45.4	3.08	7.0...9.0	1831.16	Z	3 7.0 very wh.
2742	H 699	....		20 21	35 15	225±	4±	11 ...12	1820+	H	"Points to a cluster"
2743	H 2263	....		20 22	53 21	310.6	4±	11 = 11	1830+	H	
2744	H 365	114 (e) <i>Tauri</i>		20 26	21 50	345±	20±	5-6...17	1820+	H	A and B }
						195±	35±	...17	1820+	H	A and C }
						265±	50±	...17	1820+	H	A and D }
2745	Knott 3	ψ ^o <i>Orionis</i>		20 33	2 59	322.0	2.78	5.5...11.1	1864.13	Kn	4
2746	Σ 713	DM (6°) 928		20 45	6 52	28.2	2.93	8.7...10.3	1832.81	Z	3
2747	H 2265	....		20 46	- 5 15	249.4	12±	10-11...13	1830+	H	
2748	Σ 704	DM (69°) 327		20 48	69 34	8.5	26.53	7.2...9.5	1831.31	Z	2 7.2 white
2749	H 3759	L 10254		20 48	-19 48	315.2	28.70	7 ... 9	1837.9	H	
2750	β 890	L 10175		20 49	37 41	286.6	1.17	8.4...8.8	1880.14	β	3
2751	β 1318	A. G. Lund 2744		20 57	38 42	248.8	2.25	9.3...12.3	1903.03	β	4 A and B }
						17.1	12.43	... 9.4	1903.03	β	4 A and C }
2752	H 366	....		21 2	32 23	20±	8±	9 ...12	1820+	H	
2753	H 700	....		21 12	10 35	240±	5±	10 ...12	1820+	H	"Three large stars"
2754	β 319	O. Arg. 8. 3957		21 15	-20 49	231.3	3.98	7.5...10.5	1876.09	H1	3
2755	Σ 711	DM (54°) 902		21 38	54 35	233.8	9.00	7.5...9.2	1830.71	Z	2 7.5 yel.
2756	Hu 217	DM (35°) 1137		21 42	35 15	257.1	0.56	7.0...8.5	1900.04	Hu	2 (A. J. 494)
2757	H 2264	DM (47°) 1164		21 43	47 49	129.2	6±	9 ...12	1830+	H	
2758	Σ 715	DM (41°) 1205		21 45	41 11	206.0	0.95	8.2...8.9	1831.47	Z	4 Very wh.
2759	A 319	SD (4°) 1135		21 46	- 4 5	52.2	0.46	9.5...10.0	1902.80	A	3 (Bul. L. O. No. 29)
2760	S 484	DM (33°) 1064		21 46	33 21	170.0	58.95	8 ... 8½	1825.12	S	2
2761	Σ 716	118 <i>Tauri</i>		21 53	25 3	196.8	4.89	5.8...6.6	1829.63	Z	5 Wh.: bluish wh.
2762	A 488	A. G. Camb. 2471		21 54	28 49	272.5	1.08	9.0...14.3	1903.87	A	3 (Bul. L. O. No. 29)
2763	Hu 75	SD (8°) 1126		21 55	- 8 49	89.8	6.27	8.8...9.6	1888.32	Com	3
2764	H 2266	....		21 59	3 52	43.8	4±	12 ...13	1830+	H	
2765	Σ 695	O. Arg. W. 5844		22 10	79 15	155.8	10.34	8.3...9.0	1831.68	Z	3 A and B }
						172.5	1.95	... 9.7	1831.68	Z	3 B and C }
2766	OE 108	L 10263		22 18	18 15	138.7	3.59	7.0...10.5	1849.54	OZ	3
2767	OE (App) 63	W ^o V ^h . 592		22 23	39 44	273.7	75.06	6.2...7.2	1874.81	Δ	3
2768	Σ 719	W ^o V ^h . 604		22 27	29 27	326.5	0.68	7.0...9.5	1833.47	Z	4 A and B } 7.0 very yel.
						351.5	14.83	... 8.9	1833.47	Z	6 A and C }
2769	See 53	O. Arg. 8. 3974		22 29	-21 1	15.0	0.30	8.5...8.5	1897.76	See	1
2770	H 2267	W ^o V ^h . 509		22 32	1 33	119.8	15±	8 ...12	1830+	H	"Triple; all nearly in a line"
2771	H 3274	....		22 41	18 14	102.5	2±	11 = 11	1831+	H	"In field with OZ 108"
2772	H 702	....		22 41	- 2 3	140±	20±	8 ... 9	1820+	H	
2773	β 891	W ^o V ^h . 615		22 48	18 19	121.6	9.89	7.0...13.0	1879.10	β	1 A and B }
						22.0	52.82	... 7.5	1879.63	β	2 A and C }
2774	H 701	DM (31°) 992		22 50	31 25	....	....	9 ...15	1820+	H	
2775	H 2268	L 10314		22 57	- 8 28	298.1	18±	8 ... 9	1830+	H	
2776	Da 6	W ^o V ^h . 520		22 58	- 3 24	80.3	0.82	7.2...7.5	1854.10	Da	2
2777	Webb	Schj. 1796		23 5	- 4 47	227.4	46.70	8.0...9.0	1879.14	β	2
2778	Δ 8	SD (2°) 1264		23 5	- 2 5	51.3	5.25	8.5...9.0	1875.87	Δ	1 A and B }
						358.6	15.75	8.5...10.0	1875.87	Δ	1 C and D }
						111.1	102.50	....	1875.87	Δ	1 A and C }
2779	β 320	β <i>Leporis</i>		23 6	-20 51	267.7	2.89	3 ...11.0	1875.09	Δ	1 A and B }
						146.3	65.58	...11.5	1898.04	β	2 A and C }
2780	Σ 718	<i>Aurigae</i> 96		23 7	49 13	74.2	7.78	7.2...7.2	1829.90	Z	3 Very wh.
2781	β 557	L 10311		23 16	3 3	142.4	0.46	9.5...9.5	1878.16	β	2 B and C }
						150.9	24.21	7.0...9.0	1830.18	Z	2 A and BC } AC=
2782	Σ 717 ref.	DM (52°) 967		23 25	52 3	293.8	25±	9 ...12	1830+	H	From H (V) (See p. 205)
2783	β 1239	DM (34°) 1074		5 23 28	34 11	324.6	2.31	9.9...15.2	1891.77	β	2 B and D }
						220±	7±	11 ...12	1820+	H	A and B }
						280±	7±	...14	1820+	H	A and C }

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
2774	H V. 101	SD (7°) 1092	5 ^h 23 ^m 37 ^s	- 7° 21'	105° ±	44'.25	....	1783.02	Hf 1	
2775	Σ 725	31 Orionis	23 37	- 1 11	87.5	12.74	5.8...11.0	1829.41	Σ 3	5.8 very golden
2776	Σ 724	W ¹ V ^h . 530	23 38	10 56	241.5	6.86	8.7...10.0	1829.83	Σ 3	
2777	H 703	W ² V ^h . 631	23 47	31 25	270 ±	10 ±	9 ...13	1820+	H	
2778	Hd 69	SD (22°) 1125	23 57	-22 43	nf	10 ±	8½...12	1870.15	Hd	
2779	Σ 726	Orionis 116	24 14	10 10	261.0	1.21	8.0... 8.5	1831.83	Σ 3	White
2780	Σ 728	32 Orionis	24 22	5 51	203.7	1.04	5.2... 6.7	1830.96	Σ 4	Yel'sh
2781	Σ 714	DM (73°) 294	24 51	73 56	325.1	9.72	8.2... 9.7	1831.31	Σ 2	8.2 white
2782	H 704	....	24 52	28 13	100 ±	8 ±	10 ...11	1820+	H	"Points a little s of a 3d star"
2783	Σ 729	33 Orionis	24 57	3 12	25.6	1.87	6.0... 7.3	1831.22	Σ 3	White
2784	H 2270	SD (4°) 1152	24 59	- 4 21	340.2	40 ±	8 ...11	1830+	H	
2785	Hd 70	....	25 :	23 55:	250 ±	4 ±	8.9...11	1881.06	Hd	"Suspected"
2786	Σ 723	DM (51°) 1087	25 3	51 50	104.7	4.21	8.4...10.5	1830.00	Σ 4	
2787	Σ 727	DM (44°) 1232	25 4	44 42	56.7	2.18	8.0... 9.5	1830.89	Σ 3	8.0 yel.
2788	Σ 732 rej.	L 10389	25 8	- 6 17	....	CL IV	7-8...10	....	Σ	
2789	Σ 730	B. A. C. 1728	25 17	16 58	141.8	9.81	6.5... 7.0	1831.42	Σ 4	Very wh.
2790	Σ 731	W ¹ V ^h . 590	25 18	- 2 11	331.6	4.61	8.5... 9.0	1831.53	Σ 4	White
2791	Ho 335	....	25 18	26 41	115.7	2.80	9 ...10.5	1891.10	Ho 2	
2792	Σ 720	DM (63°) 593	25 21	63 26	166.1	6.10	8.2... 9.3	1831.61	Σ 3	8.2 yel'sh
2793	Sh 61	DM (2°) 986	25 25	2 44	353.1	68.91	8 ... 9	1822.97	Sh 1	
2794	H 3765	SD (19°) 1198	25 35	-19 31	349.4	15 ±	10 ...10	1835.9	H	8.8 m. in SD
2795	Hd 71	....	25 38:	-22 41:	nf	10 ±	9 ...15	1870.15	Hd	
2796	β 558	δ Orionis	25 52	- 0 23	226.9	33.27	2.0...13.5	1878.46	β 4	A and B } A greenish wh.
					359.2	52.74	... 6.8	1835.75	Σ 5	A and C }
2797	Hd 72	....	26 :	-23 22:	0 ±	20 ±	8.7...10	1881.06	Hd	
2798	H 2269	....	26 9	56 37	215.9	25 ±	9 ...10	1830+	H	
2799	H 2271	SD (7°) 1107	26 11	- 7 54	255.5	15 ±	9-10=9-10	1830+	H	
2800	A. G. 95	A. G. Lund 2800	26 18	35 44	15.9	24.93	9.0... 9.3	1902.75	β 2	
2801	H 2272	....	26 24	- 5 1	45.4	5 ±	10 ...11	1830+	H	
2802	En	W ¹ V ^h . 617	26 28	- 6 29	251.4	44.58	8.3... 9.0	1863.10	En 5	
2803	Σ 733	DM (15°) 852	26 34	15 57	38.0	12.09	8.7... 9.5	1828.67	Σ 2	White
2804	β 1048	L 10437	26 37	- 1 41	358.2	2.20	6.2...10.7	1889.13	β 3	
2805	A. G. 96	A. G. Alb. 1796	26 49	2 23	234.1	4.69	9.0...10.5	1903.10	M 3	
2806	H.C.Wilson 3	....	27 :	- 1 50:	152.7	2.75	7.0... 9.0	1884.83	W 1	
2807	Σ 735	SD (6°) 1217	27 2	- 6 35	355.2	30.92	8.5... 9.0	1831.15	Σ 2	
2808	β 1049	W ¹ V ^h . 631	27 3	- 1 48	296.1	0.76	8.7... 9.7	1888.91	β 4	C and D }
					356.4	1.78	7.0... 8.6	1832.93	Σ 5	A and B } 7.0 wh.
					243.1	29.29	... 8.6	1832.48	Σ 6	A and C } AB = Σ 734
2809	Espin 63	DM (41°) 1227	27 15	41 13	169.9	7.9	8.0...11.0	1901.	Es	(A. N. 3784)
2810	A. G. 97	A. G. Leiden 2151	27 19	33 53	265.4	2.03	8.6... 9.0	1902.63	β 2	
2811	A. G. 98	A. G. Lund 2810	27 21	37 56	....	....	....	....
2812	β 1267	L 10423	27 22	30 51	217.9	0.84	8.5... 8.5	1892.13	β 3	
2813	H 3766	a Leporis	27 24	-17 55	154.8	25 ±	3½...12	1835.9	H	
2814	See 54	Cord. G. C. 6437	27 28	-27 45	269.6	14.10	7.3...12.3	1897.83	See 1	
2815	Tucker	DM (13°) 922	27 43	13 55	50.2	4.86	8.5...10.2	1901.12	A 2	
2816	OΞ 109	Rad'. 1502	27 52	71 34	128.5	11.06	7.7... 9.0	1847.90	OΞ 3	7.3 white
2817	OΞ 110 rej.	38 Orionis	27 58	3 41	....	....	6 ...	....	OΞ	
2818	H V. 118	DM (-1°) 949	27 58	- 1 7	256.9	....	....	1783.23	Hf 1	
2819	Bond	....	28 16	- 4 56	....	....	11.2...	....	....
2820	Σ 737	DM (34°) 1107	28 26	34 3	305.0	10.66	8.2... 8.5	1829.24	Σ 2	White
2821	Σ 738	λ Orionis	28 32	9 51	40.3	4.24	4.0... 6.0	1830.81	Σ 5	A and B } Yel'sh.
					182.6	28.13	...11	1856.16	Se 1	A and C } Purple
2822	H 3770	O. Arg. S. 4067	28 33	-24 25	10.0	12 ±	7 ...13	1835.0	H	
2823	β 13	W ¹ V ^h . 676	28 36	- 4 34	128.8	1.38	8.0...10.0	1876.08	Δ 2	
2824	Hn 76	SD (14°) 1171	5 28 36	-14 27	252.2	1.80	9.6...12.0	1888.91	Com 2	A and B }
					219.6	2.76	... 9.8	1888.55	Com 2	A and C }

Within 121° of the North Pole

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Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
2825	OΞ 111	L 10492	5 ^h 28 ^m 36 ^s	10° 10'	351.8	3.00	6.0...10.2	1857.12	OΞ 4	6.0 yel' sh wh.
2826	Σ 736	DM (41°) 1231	28 36	41 45	342.4	2.02	7.2... 8.5	1830.89	Σ 3	White: bluish
2827	A 489	SD (8°) 1171	28 42	— 8 44	75.8	2.88	8.0...11.0	1903.98	A 3	(Bul. L. O. No. 50)
2828	Σ 743	SD (4°) 1172	28 47	— 4 28	277.8	1.82	6.9... 8.0	1830.70	Σ 4	Very wh.
2829	Σ 741	L 10512	28 48	— 0 12	286.2	10.16	7.5...10.5	1831.67	Σ 2	7.5 very wh.
2830	Σ 745	SD (6°) 1231	28 57	— 6 5	346.5	28.58	8.5... 8.7	1831.15	Σ 2	
2831	Hu 557	DM (50°) 1204	28 57	51 1	286.2	0.26	8.5... 9.0	1902.71	Hu 2	(Bul. L. O. No. 27)
2832	Σ 744	DM (7°) 939	29 2	7 11	266.5	12.41	8.0...10.7	1829.57	Σ 2	
2833	Σ 747	Orionis 133	29 10	— 6 5	223.1	35.82	5.6... 6.5	1833.59	Σ 8	Yel' sh: ashy
2834	Σ 740	DM (21°) 901	29 13	21 7	118.8	21.76	8.2... 9.0	1830.20	Σ 2	8.2 yel.
2835	Σ 742	Tauri 380	29 14	21 55	251.1	3.32	7.2... 7.8	1837.10	Σ 2	Yel' sh: wh.
2836	Σ 746 rej.	SD (4°) 1182	29 23	— 4 46	....	Cl. III	8-9... 8-9	....	Σ	From Cat. Nov.
2837	Σ 748	θ ^o Orionis	29 23	— 5 28	31.6	8.71	A=7.0	1836.15	Σ 3	A and B
					131.5	13.00	B=8.0	1836.15	Σ 3	A and C
					95.4	21.41	C=4.7	1836.15	Σ 3	A and D
					162.1	16.85	D=6.3	1836.15	Σ 3	B and C
					299.4	19.23	E=11.3	1836.15	Σ 3	D and B
					240.3	13.34	F=10.8	1836.15	Σ 3	D and C
					353.6	3.86	....	1832.53	Σ 7	A and E
					128.8	3.73	....	1858.78	OΞ 9	C and F
					33.9	7.40	G=16.0	1888.98	β 4	C and G
					270.5	7.03	....	1888.98	β 4	D and G
					178.4	7.94	H=16.0	1889.00	β 2	A and H
					275.6	8.62	H'=16.5	1889.02	β 3	C and H
					274.0	1.32	....	1889.07	β 1	H and H'
2838	H 1157	....	29 25	— 5 25	310.0	4±	....	1828+	H	
2839	Σ 16, App. I	θ ^o Orionis	29 29	— 5 30	92.0	52.78	4.8... 6.1	1836.00	Σ 6	Yel' sh: ashy
2840	Σ 17, App. I	θ ^o and θ ^o Orionis	....	....	313.8	135.15	....	1836.22	Σ 5	
2841	Da 4	42 Orionis	29 30	— 4 55	220.1	2.00	5 ... 9	1848.06	Da 2	
2842	Σ 750	SD (4°) 1186	29 34	— 4 27	59.2	4.29	6.0... 8.0	1831.21	Σ 3	wh.: ash
2843	Σ 752	ι Orionis	29 34	— 5 59	142.2	11.32	3.2... 7.3	1831.86	Σ 3	Yel' sh wh.: bluish
2844	S 490	SD (5°) 1326	29 38	— 5 30	214.1	77.68	9 ... 12	1825.21	S 2	
2845	Σ 749	W ^o V ^h . 842	29 39	26 51	23.4	0.67	7.1... 7.2	1829.48	Σ 4	Very wh.
2846	H 3276	....	29 41	16 59	64.0	20±	10-11=10-11	1831+	H	
2847	Σ 751	DM (—1°) 965	29 42	— 1 4	123.8	15.54	8.0... 8.7	1831.15	Σ 2	White
2848	H 2273	DM (57°) 901	29 43	57 4	230.5	15±	8-9...12	1830+	H	
2849	Hn —	45 Orionis	29 44	— 4 56	168.7	18.91	6½...15	1877.10	Hn 1	
2850	Da 3	L 10567	30 1	— 5 42	183.7	1.59	7½... 9	1849.36	Da 1	
2851	Bond	....	30 13	— 6 55	....	3±	9.7...10.2	....	....
2852	A 320	SD (2°) 1312	30 32	— 2 2	177.7	0.90	9.5...10.0	1902.80	A 3	(Bul. L. O. No. 29)
2853	Weisse 9	W ^o V ^h . 735	30 39	—13 54	151.7	44.26	8.5... 9.8	1901.99	β 2	
2854	Σ 754	Orionis 158	30 44	— 6 8	287.6	5.17	6.5... 9.7	1830.09	Σ 3	White: blue
2855	A 490	A. G. Camb. 2559	30 47	26 51	28.1	0.26	9.2... 9.6	1903.86	A 3	(Bul. L. O. No. 50)
2856	β 1050	Bond 974	30 55	— 5 33	283.6	0.67	10.5...11.7	1889.03	β 3	
2857	β 1240	26 Aurigae	30 56	30 25	344.4	0.15	5.6... 6.0	1892.00	β 4	A and B
					268.0	12.34	5.8... 8.0	1828.61	Σ 3	AB and C
					113.2	31.47	...11.5	1877.87	β 1	AB and D
2858	Σ 739	....	31 19	66 29	245.8	2.14	8.3... 9.3	1831.60	Σ 3	
2859	Hd 75	DM (—1°) 981	31 20	— 1 7	200±	40±	....	1869.08	Hd	
2860	Hd Z	....	31 20	— 0 57	39.7	18±	....	1879.82	Cin 1	
2861	Σ 756 rej.	DM (2°) 1020	31 23	2 15	....	Cl. IV	8-9... 9-10	....	Σ	From Cat. Nov.
2862	OΞ 518	DM (7°) 952	31 27	7 11	....	1.5	8-9... 9	....	OΞ	A and B
					....	25.	...11	....	OΞ	A and C
2863	β 89	L 10608	31 29	— 1 30	344.2	0.55	7.9... 8.5	1875.68	β 3	
2864	....	SD (13°) 1195	5 31 33	—13 45	186.9	25.00	8.7...	1902.14	β 1	A and B
					125.9	3.18	11 ... 12	1902.14	β 1	B and C

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
2865	Hu 37	SD (12°) 1215	5 ^h 31 ^m 40 ^s	-12° 26'	10° 4	0.75	9.0...11.3	1900.10	Hu 2	(A. J. 480)
2866	OΞ 112	L 10569	31 41	37 53	85.2	0.64	7.3... 8.0	1848.56	OΞ 3	
2867	OΞ (App) 65	L 10611	31 42	0 54	31.3	80.11	7.2... 7.7	1875.32	A 3	
2868	Hu 824	DM (35°) 1196	31 46	35 35	159.5	2.80	7.5...13.0	1902.77	Hu 1	(See p. 1066)
2869	Σ 759	DM (17°) 969	31 47	17 41	323.7	29.71	8.5... 9.1	1830.86	Z 4	White
2870	Pritchett	....	31 48:	0 2:	131.2	6.54	....	1881.15	Pt 1	B and C
					127.7	....	....	1881.15	Pt 1	BC and A
2871	Σ 755	W ^a V ^b . 930	31 52	23 13	315.7	5.97	8.3... 9.0	1830.55	Z 3	8.3 wk.
2872	A 491	SD (6°) 1264	31 57	- 6 47	48.4	0.33	9.3... 9.5	1903.83	A 4	(Bul. L. O. No. 90)
2873	Σ 757	W ^a V ^b . 747	31 58	- 0 15	239.8	1.68	8.0... 8.2	1831.16	Z 3	A and B
	Σ 758	....	....	....	297.7	11.06	8.5... 9.0	1831.67	Z 4	C and D
					86.5	50.86	....	1831.16	Z 3	A and C
					261.9	138.32	8 ...10	1825.00	S 2	A and E
2874	Hu 825	DM (35°) 1197	32 0	35 56	343.1	0.27	8.0... 8.2	1902.77	Hu 1	(See p. 1066)
2875	β 1051	Bond 1096	32 1	- 4 57	24.7	0.75	10.1...10.7	1889.09	β 3	
2876	H 3776	O. Arg. 8. 4130	32 5	-27 31	162.3	30±	9½...10	1837.1	H	
2877	Hd 76	DM (-1°) 985	32 5	- 1 49	350±	5±	9 ...	1869.08	Hd	"Doubtful"
2878	H 705	....	32 11	27 6	280±	9±	10 ...11	1820+	H	A and B
					340±	10±	...17	1820+	H	B and C
2879	Σ 703 <i>rej.</i>	DM (85°) 82	32 20:	85 36	....	Cl. IV	8-9...11	....	Z	From Cat. Nov.
2880	H 3277	DM (17°) 972	32 23	17 41	73.5	20±	9-10...14	1831+	H	
2881	Σ 761	SD (2°) 1323	32 33	- 2 38	201.6	68.07	7.9... 8.2	1830.91	Z 4	A and B
					267.8	8.35	... 8.7	1830.91	Z 4	B and C
2882	Σ 763	DM (10°) 838	32 40	10 12	320.1	5.84	8.2... 8.8	1830.17	Z 3	Yel'sh: yel'sh wk.
2883	β 1032	σ Orionis	32 43	- 2 40	357.0	0.26	4.0... 6.0	1888.81	β 4	A and B
					236.5	11.00	...10.3	1831.42	Z 4	AB and C
					84.5	12.86	... 7.5	1831.20	Z 3	AB and D
					60.9	41.64	... 6.3	1869.97	A 4	AB and E
					230.8	30.03	... 7.0	1831.20	Z 3	E and D
2884	A. G. 99	DM (22°) 978	32 48	22 28	142.2	7.60	9.3... 9.3	1901.63	Ku 2	
2885	OΞ 113	L 10655	33 9	12 57	27.8	10.15	7.0...10.7	1847.53	OΞ 3	7.0 white
2886	Σ 766	W ^a V ^b . 1011	33 26	15 17	276.1	9.55	6.8... 8.0	1829.88	Z 4	Wh.: bluish
2887	Σ 764	W ^a V ^b . 1003	33 42	29 26	13.8	25.85	6.3... 6.8	1831.25	Z 3	Very wh.
2888	H 2274	....	33 53	55 44	319.0	2±	11 ...15	1830.+	H	"A third near"
2889	β 321	Leporis 45	33 59	-17 55	144.5	0.68	6.8... 8.3	1877.33	A 3	A and B
					357.5	1.26	9.3... 9.7	1877.34	A 3	C and D
					136.0	89.46	... 9.0	1876.59	A 2	AB and C
					6.2	76.20	... 8.0	1876.59	A 2	AB and E
					298.5	126.46	... 8.5	1876.59	A 2	AB and F
					48.7	60.3	...10	1878.17	β 1	AB and G
					310.4	41.79	...13	1878.17	β 1	AB and H
2890	H 2275	....	34 2	1 53	322.4	20±	10-11...11-12	1830+	H	
2891	Weisse 10	W ^a V ^b . 1005	34 3	40 49	17.9	20.98	9.0... 9.0	1901.78	β 2	
2892	H 369	....	34 17	32 40	210±	4±	11 ...12	1820+	H	
2893	A 492	A. G. Camb. 2604	34 18	26 58	98.8	2.64	8.8...13.5	1903.48	A 3	(Bul. L. O. No 90)
2894	H 706	....	34 20	32 59	290±	4±	13 ...14	1820+	H	
2895	H 370	....	34 22	32 43	265±	3±	11 ...12	1820+	H	
2896	β 1007	126 Tauri	34 22	16 28	266.2	0.27	6.0... 6.2	1881.26	β 2	
2897	Hd 77	....	34 25:	-20 30:	300±	12±	9 ...11	1869.08	Hd	
2898	Σ 770	DM (19°) 1019	34 30	19 9	341.1	1.28	8.5...10.2	1830.52	Z 3	8.5 yel'sh
2899	Hd 78	L 10748	34 35	-20 30	122.6	11.79	7½... 8½	1870.06	Hd 1	A and B
					83.2	33.58	...12	1870.06	Hd 1	A and C
2900	β 322	O. Arg. 8. 4178	34 40	-25 13	104.2	2.23	8.0... 9.5	1877.11	Cin 1	
2901	Σ 771	DM (19°) 1026	34 42	19 29	234.6	26.34	9.0... 9.2	1829.12	Z 3	
2902	Σ 774	ζ Orionis	5 34 42	- 2 0	151.3	2.55	2.0... 5.7	1836.22	Z 5	A and B
					7.0	60±	...(10)	1781.77	H 1	A and C

Within 121° of the North Pole

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Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
2903	OZ 114	L 10720	5 ^h 34 ^m 46 ^s	16° 10'	275.4	2.94	7.3... 9.5	1847.09	OZ 3	8.2 white
2904	Σ 768 <i>rej.</i>	W ¹ V ^h . 1041	34 48	41 4	....	Cl. IV	7 ... 9-10	....	Z	From Cat. Nov.
2905	β 14	L 10696	34 48	29 47	194.7	5.71	7.4... 10.5	1875.43	Δ 4	
2906	Σ 772	DM (21°) 937	34 54	21 31	243.2	29.85	8.0... 9.0	1829.87	Z 3	White
2907	Σ 773	DM (33°) 1126	34 55	33 19	218.8	26.86	8.5... 10.0	1831.09	Z 3	8.5 wh.
2908	Ho 509	L 10703	35 4	33 15	205.4	11.50	7 ... 12	1897.07	Ho 3	
2909	H 707	....	35 20	26 50	200±	10±	10 ... 12	1820+	H	
2910	A 493	SD (7°) 1150	35 29	- 7 32	120.0	2.87	9.0... 10.5	1903.79	A 2	(Bul. L. O. No. 50)
2911	A 116	A. G. Lep. 1760	35 37	12 55	295.1	1.17	8.5... 12.0	1901.25	A 3	
2912	Kr 27	A. G. Hols. 4160	35 38	56 45	326.2	2.30	8.6... 10.0	1890.77	β 1	
2913	β 1052	L 10776	35 39	- 2 57	189.1	0.66	7.2... 8.2	1889.14	β 3	
2914	Σ 776	DM (25°) 934	35 39	25 18	104.7	2.07	8.2... 9.2	1830.89	Z 3	
2915	Σ 769	DM (53°) 941	35 45	53 16	173.1	3.90	8.0... 10.2	1830.54	Z 3	
2916	H 3785	SD (14°) 1207	35 48	-14 20	120.9	20±	10 ... 10	1836.9	H	
2917	Σ 775	DM (40°) 1397	36 0	40 21	66.8	22.52	8.0... 9.5	1830.26	Z 3	8.0 very wh.
2918	Hu 105	DM (21°) 945	36 1	21 21	191.3	1.46	9.0... 10.8	1900.25	Hu 2	(A. J. 485)
2919	Σ 777	DM (22°) 1007	36 7	22 9	85.4	4.55	8.7... 8.8	1830.76	Z 3	White
2920	Σ 778	DM (30°) 992	36 21	30 53	185.8	3.22	7.7... 9.0	1828.61	Z 3	7.7 <i>yel'ish wh.</i>
2921	H 3788	Lac. 1946	36 29	-26 25	151.3	25±	7½ ... 9	1835.0	H	Cin ⁵ 154 ² (1878.06) in (A. N. 3784)
2922	Espin 64	DM (41°) 1264	36 36	41 47	70.4	2.5	9.2... 10.2	1901.	Es	
2923	Σ 782	W ¹ V ^h . 908	36 47	- 0 2	309.4	36.16	7.8... 8.3	1831.16	Z 3	White
2924	Σ 779	DM (27°) 849	36 48	27 41	251.9	8.26	8.0... 10.0	1831.25	Z 2	Wh.: blue
2925	A 117	A. G. Lep. 1769	36 51	12 56	255.7	0.45	8.5... 8.7	1901.25	A 3	
2926	Σ 3115	L 10722	36 57	62 46	35.6	1.68	6.7... 7.8	1831.63	Z 3	Wh.: ashy wh.
2927	Σ 783	DM (28°) 868	37 0	28 58	358.8	9.81	8.0... 9.7	1831.25	Z 2	Very wh.: reddish purple
2928	A 494	SD (6°) 1293	37 4	- 6 51	121.4	0.14	6.9... 7.8	1903.80	A 4	A and B
					199.0	1.03	10.0... 13.5	1903.99	A 2	C and D
					231.8	99.00	....	1903.98	A 1	AB and C } (Bul. L. O. No. 50)
2929	β 752	DM (47°) 1193	37 19	47 51	....	....	7.5...	1879.	β	
2930	Ho 510	DM (33°) 1140	37 20	33 40	243.9	1.12	9.0... 9.2	1897.08	Ho 3	(A. N. 3557)
2931	A 118	A. G. Lep. 1773	37 24	13 16	358.2	2.35	9.5... 9.6	1901.23	A 3	(See p. 1066)
2932	Σ 781	DM (32°) 1078	37 26	32 20	121.5	14.94	8.7... 10.2	1830.76	Z 2	
2933	A 496	A. G. Camb. 2660	37 28	26 17	11.2	0.24	7.4... 8.0	1903.94	A 3	
2934	Σ 760 <i>rej.</i>	O. Arg. W. 6128	37 35	76 50	....	Cl. IV	8 ... 11	....	Z	From Cat. Nov.
2935	A 495	SD (7°) 1156	37 40	- 7 57	49.3	0.50	8.3... 9.4	1903.84	A 4	(Bul. L. O. No. 50)
2936	OZ 115	L 10823	37 40	15 1	123.1	0.76	7.1... 7.9	1847.82	OZ 4	
2937	Hu 38	DM (22°) 1017	37 42	22 51	145.5	0.51	8.6... 8.8	1900.01	Hu 3	(A. J. 480)
2938	H 2277	....	37 48	2 46	200.5	8±	10 ... 11	1830+	H	"A most star"
2939	H 708	DM (33°) 1144	37 57	33 40	260±	3-4	10 ... 12	1820+	H	
2940	Σ 788	W ¹ V ^h . 950	38 24	3 47	88.4	7.18	7.5... 9.2	1831.92	Z 4	A and B
					147.1	36.07	... 9.9	1831.92	Z 4	A and C } 7.5 <i>yel.</i>
2941	Σ 785	L 10838	38 29	25 52	348.6	13.81	6.7... 7.7	1830.74	Z 4	A and B } wh.: bluish wh.
					66.4	18.34	... 12.2	1846.04	OZ 2	A and C }
2942	H -	DM (17°) 994	38 40	17 33	280.9	24.91	9 ... 9-10	1831.08	H 1	
2943	Σ 789 <i>rej.</i>	W ¹ V ^h . 955	38 42	3 57	154.6	18±	7-8... 11	1830+	H	From H (V)
2944	A 497	SD (7°) 1162	38 46	- 7 48	181.0	2.20	8.0... 10.0	1903.81	A 2	(Bul. L. O. No. 50)
2945	Σ 787	DM (21°) 978	38 50	21 16	78.5	1.38	8.1... 8.5	1832.92	Z 4	Very wh.
2946	Σ 786	DM (20°) 1085	38 52	20 12	335.8	5.99	7.7... 10.7	1832.48	Z 3	7.7 <i>yel.</i>
2947	Σ 780	O. Arg. W. 6179	38 57	65 43	103.5	3.75	6.7... 7.9	1831.79	Z 4	A and B } 6.7 <i>yel.</i>
					154.8	10.93	... 10.2	1831.62	Z 3	A and C } 7.9 <i>blue</i>
2948	S 496	γ Leporis	39 27	-22 29	349.4	93.84	5 ... 8	1825.04	S 2	
2949	H 3791	O. Arg. S. 4263	39 31	-20 45	54.8	8±	8 ... 9½	1835.9	H	
2950	O. Stone II	SD (21°) 1250	39 33	-21 5	144.4	12±	9.0... 9.5	1876.05	Cin 1	From Cin ³
2951	H 709	....	39 41	28 56	130±	2±	17 ... 18	1820+	H	
2952	Ho 336	L 10949	39 41	-21 43	237.7	19.49	7 ... 12	1890.10	Ho 1	
2953	Hu 77	Lam. 35	5 39 45	-15 13	293.4	1.86	9.7... 10.2	1888.39	Com 2	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
2954	Δ 9	DM (24°) 956	5 ^h 39 ^m 53 ^s	24° 36'	272° 5'	1.60	9.7...10.3	1876.45	Δ 3	
2955	Ho 19	L 10871	39 55	35 7	342.2	7.02	6.5...12.5	1886.20	Ho 2	
2956	Hu 39	DM (21°) 984	39 57	21 50	43.2	0.30	8.4... 8.5	1900.06	Hu 3	(A. J. 480)
2957	Σ 790	Orionis 187	40 6	- 4 19	89.1	6.82	7.0... 9.3	1830.84	Σ 3	Reddish yel.: blue
2958	H 2279	....	40 16	54 48	20.5	15±	10 ...10	1830+	H	
2959	H IV. 125	29 Camelopardali	40 19	56 53	137.6	22.43	....	1783.50	H 1	
2960	O Σ 117	L 10898	40 28	30 29	29.3	11.92	7.0... 9.7	1847.42	O Σ 3	6.8 yel.
2961	β 91	L 10913	40 29	20 54	82.0	1.57	7.5...10.0	1875.34	Δ 3	
2962	....	DM (17°) 1005	40 32	17 34	170.8	15.50	9.0... 9.2	1903.85	β 2	
2963	O Σ (App) 66	P V ^h . 214	40 33	24 39	165.7	94.21	6.5... 7.0	1874.60	Δ 3	
2964	β 559	DM (0°) 1177	40 36	0 2	85.3	1.74	9.0...11.5	1878.12	β 4	A and B }
					201.8	50.72	... 9.0	1879.13	β 4	A and C }
2965	β 892	DM (17°) 1006	40 40	17 41	272.8	1.19	8.8...13.0	1879.09	β 2	
2966	H 2276	....	40 47	72 55	216.9	13±	12 ...13	1830+	H	
2967	Σ 792	SD (3°) 1192	40 47	- 3 18	133.9	24.94	8.2... 8.7	1831.16	Σ	Ye'ish
2968	β 192	τ Aurigae	40 52	39 8	350.0	38.93	5 ...12.0	1877.82	β 1	A and B }
					32.9	47.85	...12.0	1877.82	β 1	A and C }
2969	H 3279	133 Tauri	40 54	13 51	295.1	16±	6 ...16	1831+	H	A and B }
					....	....	...15	1831+	H	A and C }
2970	β 92	W ² V ^h . 1309	40 57	21 4	170.2	8.87	9.3...11.0	1875.45	Δ 2	
2971	H 372	....	41 6	23 39	205±	12±	10 ...11	1820+	H	
2972	O Σ 118	P V ^h . 222	41 13	20 50	318.7	0.56	6.2... 7.7	1854.23	O Σ 4	A and B }
					160.6	75.52	... 7.2	1847.89	O Σ 4	AB and C } AB white
2973	....	DM (12°) 901	41 15	12 1	339.2	9.45	8.1...13	1901.13	β 3	
2974	β 561	L 10969	41 18	12 22	4.0	19.70	7 ...13	1878.09	β 1	
2975	O Σ 119	L 10974	41 24	7 55	303.9	0.64	7.5... 8.3	1848.56	O Σ 3	
2976	Σ 795	52 Orionis	41 33	6 25	200.1	1.75	6.2... 6.2	1831.23	Σ 3	Ye'ish: pale ye'ish
2977	β 560	L 10958	41 37	29 41	208.2	0.94	8.0... 8.0	1877.88	β 1	
2978	Σ 791	DM (39°) 1421	41 42	39 32	90.2	4.86	8.7... 9.3	1830.23	Σ 3	White
2979	β 93	W ² V ^h . 1332	41 44	20 59	121.7	60.03	8.3...	1891.85	β 2	A and B }
					167.0	5.71	9.1... 9.2	1891.85	β 2	B and C }
					323.6	9.43	...11.2	1891.85	β 2	B and D }
2980	β 15	L 11005	41 45	- 2 20	174.3	2.07	7.8...12.0	1875.60	Δ 2	
2981	S 500	L 10961	41 53	32 56	88.9	59.46	9 ...10	1825.06	S 3	
2982	H 5465	L 10989	42 5	11 57	45±	12±	7 ...	1823+	H	
2983	Σ 797	W ¹ V ^h . 1029	42 6	4 40	14.9	7.05	7.1... 9.9	1832.40	Σ 4	7.1 very wh.
2984	Σ 796	P V ^h . 225	42 7	31 45	61.2	3.60	6.9... 8.0	1830.79	Σ 5	Wh.: bluish wh.
2985	H 3798	O. Arg. S. 4317	42 17	-24 33	65.9	20±	9 ... 9	1835.9	H	
2986	β 405	W ¹ V ^h . 1045	42 22	-13 34	125.1	14.50	8.5...11.0	1877.95	β 1	
2987	Σ 798	SD (8°) 1219	42 25	- 8 25	181.4	20.72	7.2... 9.2	1830.67	Σ 2	7.2 very wh.
2988	A. G. 100	DM (21°) 1008	42 25	21 47	....	....	8.7...	....	....
2989	A 498	SD (6°) 1317	42 31	- 6 41	178.7	0.96	8.0...11.5	1903.82	A 3	(Bul. L. O. No. 50)
2990	Σ 794	....	42 39	48 42	313.9	9.35	8.5...10.2	1830.61	Σ 3	
2991	A 499	SD (8°) 1223	42 55	- 8 58	264.0	3.12	9.5...10.8	1903.94	A 2	B and C }
					178.8	27.60	8.5...	1903.94	A 1	A and B } (Bul. L. O. No. 50)
2992	Σ 801 rej.	W ¹ V ^h . 1066	42 56	-13 24	....	Cl. IV	7 ...10	....	Σ	
2993	Hn 78	SD (12°) 1275	42 57	-12 45	167.7	1.84	9.0... 9.2	1888.18	Com 3	
2994	H 2280	SD (3°) 1204	43 0	- 3 21	18.0	12±	10 ...11	1830+	H	
2995	β 406	W ¹ V ^h . 1068	43 1	-13 28	243.1	12.01	9.0...12.0	1877.95	β 1	
2996	H V. 90	ν Aurigae	43 10	39 7	331.8	53.72	....	1783.18	H 1	
2997	H 3799	O. Arg. S. 4329	43 11	-18 45	149.5	2½	9 ... 9½	1835.9	H	
2998	A 500	SD (9°) 1242	43 14	- 9 45	222.4	3.62	9.5...14.0	1903.99	A 2	B and C }
					96.7	26.32	... 9.0	1903.99	A 2	A and B }
2999	H 710	....	43 21	35 33	335±	10±	10 ...10+	1820+	H	
3000	H 712	DM (6°) 1035	43 21	6 3	70±	8±	9 ...10	1820+	H	
3001	H 711	....	5 43 34	28 15	320±	5±	10 ...12	1820+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
3002	Schj. 3	W ¹ V ^h . 1084	5 ^h 43 ^m 43 ^s	— 4° 30'	....	56 ⁷	8.5... 9.5	....	....
3003	Σ 799	DM (38°) 1318	43 57	38 32	192.5	1.06	7.2... 8.3	1829.87	Σ 5	White
3004	Ku 23	DM (14°) 1047	43 59	14 24	103.5	0.95	7.0... 9.0	1902.14	Ku 2	Kustner (3821)
3005	Σ 793 rej.	DM (71°) 328	44 4	71 33	235.1	18.±	10 ... 12	1830+	H	Measures from H (V)
3006	Σ 802	DM (40°) 1435	44 6	40 7	108.7	3.22	7.9... 8.5	1828.77	Σ 4	Very wh. (See p. 1066)
3007	Σ 806	DM (17°) 1032	44 6	17 51	198.8	10.69	8.8... 8.8	1830.12	Σ 3	
3008	β 94	Leporis 61	44 9	— 14 31	179.4	2.73	6.0... 9.4	1876.16	Δ 4	
3009	Hu 40	DM (20°) 1135	44 11	20 6	10.2	3.61	8.5... 9.5	1900.07	Hu 1	(A. J. 480)
3010	Σ 805	W ² V ^h . 1411	44 12	28 25	48.4	12.12	7.7... 8.4	1829.49	Σ 4	White
3011	H 2281	DM (2°) 1072	44 13	2 33	321.7	12±	9 ... 14	1830+	H	
3012	Σ 803 rej.	DM (40°) 1438	44 13	40 6	....	Cl. III	8 ... 10	....	Σ	
3013	Ku 24	DM (50°) 1242	44 17	50 9	258.5	1.43	9.4... 10.0	1901.58	Ku 2	
3014	A. G. 101	A. G. Lund 2570	44 20	36 16	43.9	9.77	9.0... 9.5	1902.78	β 2	
3015	β 1188	L 11084	44 33	— 1 28	106.0	1.23	7.9... 10.3	1890.84	β 3	A and B } A. yel.; B. ash
					101.2	25.70	7.7... 8.8	1831.16	Σ 3	A and C } (AC=Σ 809)
3016	Hu 448	DM (20°) 1141	44 44	20 35	236.7	2.74	9.0... 11.5	1901.98	Hu 3	(Bul. L. O. No. 21)
3017	Σ 807	DM (34°) 1203	44 54	34 25	139.7	2.15	7.3... 9.3	1829.60	Σ 3	7.3 yel'sh
3018	O. Stone 12	....	44 59:	— 24 21:	181.3	6.08	9.5... 11.6	1876.01	Cin 1	
3019	Δ 10	DM (29°) 1027	45 6	29 45	165.7	2.92	8.5... 11.6	1873.92	Δ 5	A and B } (AC=Σ 808)
					57.4	16.06	... 8.5	1829.25	Σ 2	A and C }
3020	β 1053	Aurigae 146	45 18	37 19	283.2	0.43	7.5... 9.5	1889.92	β 1	
3021	H 32	....	45 46:	— 7 30:	190±	20±	9 ... 12	1820+	H	
3022	β 1054	136 Tauri	45 47	27 35	232.2	15.00	6.0... 12.0	1889.08	β 3	
3023	OΣ 120 rej.	Rad ^r . 1568	45 52	53 26	133.7	43.99	6.7... 7.8	1867.04	Δ 3	
3024	See 56	Cord. DM (24°) 3485	45 53	— 24 22	237.2	7.15	8 ... 11.3	1897.76	See 1	
3025	H 3804	SD (12°) 1291	45 57	— 12 48	50.6	10±	9½ ... 12	1836.9	H	
3026	Weisse 11	W ² V ^h . 1459	46 5	38 34	....	....	9 ...	....	....
3027	Doo —	....	46 6	52 57	354.4	6.68	9 ... 9	1897.01	Doo	
3028	Σ 813	DM (18°) 997	46 6	18 55	148.1	3.24	8.0... 8.0	1831.19	Σ 4	Very wh.
3029	β 95	L 11128	46 9	— 7 20	298.2	13.67	8.0... 12.0	1878.16	β 1	
3030	....	56 Orionis	46 13	1 49	211.8	43.41	5 ... 13.5	1901.87	β 2	
3031	Σ 811	W ² V ^h . 1482	46 33	30 28	229.9	5.08	8.0... 9.5	1829.23	Σ 3	8.0 wh.
3032	Σ 810	....	46 56	52 54	242.8	2.60	8.8... 9.5	1830.24	Σ 3	
3033	OΣ 123	W ¹ V ^h . 1172	47 32	10 13	175.9	2.41	7.0... 8.7	1846.77	OΣ 3	Yel.; ash
3034	A 501	SD (6°) 1343	47 40	— 6 26	300.1	2.80	9.0... 10.8	1903.81	A 2	(Bul. L. O. No. 50)
3035	OΣ 122	L 11127	47 41	36 55	108.9	0.36	7.3... 8.0	1847.71	OΣ 2	
3036	β 563	L 11156	47 44	15 29	183.9	7.42	7.8... 11.0	1878.06	β 1	
3037	S 502	W ¹ V ^h . 1178	47 56	13 50	129.2	45.52	8 ... 9	1825.03	S 2	
3038	H0 20	W ¹ V ^h . 1182	48 6	14 12	276.8	7.82	7 ... 12	1886.19	Ho 2	A and B }
					287.3	50.21	... 11.5	1886.20	Ho 1	A and C }
3039	Σ 815	DM (5°) 1043	48 12	5 19	136.7	12.69	8.2... 10.4	1832.09	Σ 6	8.2 yel'sh
3040	Innes 348	O. Arg. S. 4412	48 12	— 29 4	60.5	4.07	9 ...	1901.08	I 2	
3041	Σ 784	Redhill 826	48 19	84 12	187.7	1.28	8.7... 8.7	1833.25	Σ 4	Yel'sh wh.
3042	H 713	....	48 19	33 14	300±	5±	10+... 11	1820+	H	
3043	Σ 817	DM (7°) 1054	48 23	7 1	72.4	18.48	8.2... 8.3	1830.50	Σ 3	Wh.; yel.
3044	H 714	....	48 25	31 42	276±	5±	10-11... 11-12	1820+	H	
3045	H0 337	DM (23°) 1108	48 27	23 15	120±	8±	9 ... 10	1820+	H	A and B }
					101.0	0.91	9.0... 9.2	1890.20	Ho 2	B and C }
3046	H 715	....	48 28	31 40	315±	9±	10-11... 11-12	1820+	H	
3047	Σ 816	DM (5°) 1044	48 30	5 50	289.3	4.25	6.2... 8.7	1830.13	Σ 4	6.2 very wh.
3048	H VI. 39	α Orionis	48 40	7 23	109.5	39.84	Var... 14.5	1891.98	β 2	A and B }
					289.8	62.01	... 14.2	1891.98	β 2	A and C }
					347.7	76.77	... 13.5	1891.98	β 2	A and D }
					152.3	161.77	... 11	1786.88	H1 1	A and E }
3049	H 2283	48 44	1 35	9.4	20±	10-11... 13	1830+	H	"Neat star"
3050	Σ 818	W ¹ V ^h . 1205	5 48 57	4 42	274.0	5.92	9.2... 9.7	1830.17	Σ 3	

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Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
3051	Σ 819	W ¹ V ^h . 1213	5 ^h 48 ^m 58 ^s	-0° 58'	96° 9	25'.25	8.0... 9.7	1831.16	Σ 3	8.0 <i>yellowish</i>
3052	Σ 820	W ¹ V ^h . 1210	49 9	8 58	110.3	4.66	8.3... 8.8	1831.53	Σ 3	
3053	S 503	W ¹ V ^h . 1206	49 10	13 56	134.1	39.94	7 ... 9	1825.07	S 2	A and B
					157.3	28.09	... 11.2	1878.00	β 1	A and C
					337.3	201.76	... 8	1825.07	S 2	A and D
3054	G. Anderson 2	L 11231	49 18	-19 44	19.4	9.10	8 ... 11	1876.09	H1 2	
3055	Ho 227	DM (11°) 971	49 21	11 30	241.3	2.08	8 ... 12.5	1890.11	Ho 1	
3056	H 3811	....	49 29	-25 13	245±	20±	8½ ... 9	1835.9	H	
3057	A. G. 102	A. G. Lund 3022	49 41	37 3	16.2	2.78	9.4... 9.4	1902.77	β 2	
3058	Hu 449	DM (21°) 1053	49 43	21 20	341.1	3.07	9.0... 12.2	1901.98	Hu 3	(Bul. L. O. No. 21)
3059	Perrine	DM (52°) 1022	49 44	52 41	307.1	1.86	9.0... 9.3	1898.76	P 2	
3060	H 374	....	49 46	27 22	225±	10-12	9 ... 10	1820+	H	
3061	H 716	....	49 48	28 36	150±	4±	10 ... 12	1820+	H	
3062	O Σ 121	Rad ¹ . 1582	49 49	74 0	191.4	0.39	7.3... 8.5	1849.64	O Σ 3	
3063	Σ 812 <i>rej.</i>	O. Arg. N. 6330	50 14	65 31	....	Cl. IV	6-7... 10-11	....	Σ	
3064	H VI. 88	β Aurigae	50 43	44 56	35.8	169.10	2 ... 10½	1783.79	H1 1	
3065	Σ 821	DM (29°) 1058	50 44	29 37	12.3	2.17	8.0... 9.8	1830.23	Σ 3	8.0 <i>wh.</i>
3066	See 57	L 11284	50 48	-21 42	107.6	25.40	6.2... 14.4	1897.83	See 2	
3067	A 321	SD (3°) 1241	50 50	-3 6	128.0	0.49	8.7... 9.1	1902.58	A 3	(Bul. L. O. No. 29)
3068	H 33	....	51 4:	-7 1:	190±	8±	11 ... 11½	1820+	H	
3069	β 1190	W ¹ V ^h . 1269	51 17	0 1	340.1	1.41	7.4... 10.8	1890.85	β 3	A and B
					95.5	6.65	... 12.5	1890.85	β 3	A and C
3070	β 1189	Schj. 1985	51 18	0 23	269.5	0.20	8.1... 9.1	1890.90	β 3	A and B
					194.5	58.11	... 8.0	1890.85	β 3	AB and C
3071	H 34	....	51 22:	7 3:	....	....	....	1820+	H	
3072	H 2285	....	51 30	52 49	293.5	15±	9-10... 11	1830+	H	
3073	β 1055	Aurigae 161	51 32	44 35	332.9	1.61	6.7... 11.5	1888.92	β 3	A and B
					329.7	33.35	... 9.2	1888.92	β 3	A and C
3074	O Σ 545	θ Aurigae	51 32	37 12	5.5	2.15	3.0... 7.5	1871.42	O Σ 6	A and B
					286.0	35.30	...(10)	1783.20	H1 1	A and C
					352.3	125.05	...(9)	1823.17	Sh 1	A and D
3075	Σ 822 <i>rej.</i>	W ² V ^h . 1622	51 35	43 10	....	Cl. IV	7 ... 10	....	Σ	AB light green: blue
3076	H 5466	DM (-1°) 1075	51 38	-1 50	....	....	8 ...	1823+	H	
3077	Σ 823	W ¹ V ^h . 1294	51 57	-7 40	339.3	7.51	8.5... 9.2	1831.51	Σ 3	White
3078	O Σ 124	B. A. C. 1907	52 8	12 48	308.7	0.53	6.0... 7.8	1845.22	O Σ 1	
3079	H V. 100	59 Orionis	52 10	1 49	205±	37.25	....	1783.02	H1 1	
3080	H 3280	....	52 12	13 19	94.1	2½	11 ... 11-12	1831+	H	
3081	O Σ 126	DM (17°) 1082	52 24	17 49	59.3	10.53	7.5... 10.0	1846.08	O Σ 3	7.5 <i>yel.</i>
3082	A 322	SD (4°) 1310	52 25	-4 39	356.7	4.17	7.0... 13.8	1902.76	A 2	
3083	O Σ 125	Rüm. 1641	52 28	22 28	357.2	1.54	7.0... 8.5	1847.77	O Σ 3	8.5 <i>red</i>
3084	H 3818	....	52 34	-27 20	169.3	15±	9 ... 12	1837.1	H	
3085	Σ 826	DM (-1°) 1080	52 49	-1 20	115.5	1.84	8.2... 9.2	1832.41	Σ 4	White
3086	H 2284	....	53 9	73 31	247.4	7±	12 = 12	1830+	H	
3087	Hu 826	DM (35°) 1309	53 10	35 16	299.6	0.62	9.0... 11.0	1902.77	Hu 1	A and B
					169.2	3.81	8.5... 10.7	1896.06	Ho 3	AB and C
3088	S 504	L 11376	53 19	-20 10	267.6	5.25	10 ... 10	1825.01	S 1	
3089	Ho 21	L 11326	53 28	27 34	238.4	9.81	6.7... 13	1884.70	Ho 3	
3090	Σ 825	DM (36°) 1332	53 30	36 31	146.2	8.16	7.8... 9.0	1829.91	Σ 3	White
3091	A 119	A. G. Camb. 2859	53 41	29 26	205.8	0.43	8.7... 9.0	1900.84	A 3	
3092	O Σ 127	L 11319	53 48	38 43	332.6	1.63	7.0... 10.8	1848.72	O Σ 2	7.0 <i>yel.</i>
3093	H IV. 48	DM (23°) 1148	53 48	23 20	262.5	20.45	....	1783.40	H1 1	
3094	A. G. 103	DM (20°) 1216	53 55	20 14	100.2	14.37	8.8... 10	1902.35	Cg 4	
3095	Σ 827 <i>rej.</i>	DM (-0°) 1137	54 0	-0 31	....	Cl. IV	8 ... 10	....	Σ	From Cat. Nov.
3096	Σ 829	W ¹ V ^h . 1352	54 0	-11 42	238.4	16.50	9.0... 10.7	1832.69	Σ 2	A and B
					217.7	4.56	... 11.7	1832.69	Σ 2	B and C
3097	H 717	....	5 54 25	34 14	45±	9±	9-10... 12	1820+	H	

Within 121° of the North Pole

5^h

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
3098	A 662	SD (7°) 1250	5 ^h 54 ^m 57 ^s	— 7° 49'	248° 7'	1.34	9.8...10.5	1904.03	A 3	(Bul. L. O. No. 61)
3099	Hu 559	35 <i>Camelopardalis</i>	54 58	51 35	339.5	0.52	9.0...10.0	1902.71	Hu 2	B and C } AB = 0.2 1908 A and BC }
					13.1	39.41	6.3... 8.3	1867.01	d 3	
3100	β 564	DM (—1°) 1088	54 59	— 1 34	70.9	1.29	9.0...10.5	1892.04	β 2	
3101	H 2286	....	55 19	58 30	290.0	18±	10 ...12	1830+	H	
3102	A 120	A. G. Camb. 2890	55 26	25 53	162.8	0.58	8.3... 9.5	1901.11	A 2	
3103	H 2287	....	55 31	54 20	312.2	15±	10 ...10+	1830+	H	
3104	A. G. 104	A. G. Lund 3067	55 31	35 50	74.3	2.77	8.9... 9.1	1902.77	β 2	
3105	H 2289	....	55 32	— 4 49	305±	15±	10 ...10	1830+	H	
3106	Barnard 4	DM (22°) 1246	55 35	22 17	193.4	1.91	9.0... 9.3	1900.77	Bar 2	A and B }
					13.	4.84	...13.5	1900.77	Bar 1	A and C }
3107	A 663	SD (7°) 1254	55 37	— 7 46	321.8	2.52	9.0...10.8	1904.00	A 2	(Bul. L. O. No. 61)
3108	Σ 832 <i>rej.</i>	SD (14°) 1307	55 38	—14 32	86.0	25±	9 ...11	1837.0	H	
3109	Hu 560	DM (49°) 1445	55 38	49 38	24.7	0.93	9.0...11.0	1902.71	Hu 3	(Bul. L. O. No. 57)
3110	H 3821	SD (21°) 1324	55 44	—21 0	212.0	25±	9 ... 9½	1835.9	H	
3111	β 1056	μ <i>Orionis</i>	55 47	9 39	272.0	16.80	4 ...14	1889.11	β 3	
3112	H 3823	Cord. G. C. 7127	55 51	—31 3	130.5	4.84	9 = 9	1836.95	H 1	
3113	Σ 830	W ¹ V ^h . 1784	55 54	27 39	249.6	12.82	8.2... 8.7	1830.54	Z 3	A and B }
					187.7	25.21	...10.8	1831.56	Z 3	A and C }
3114	H 2290	DM (0°) 1255	56 1	0 59	114.5	8±	10 ...12	1830+	H	"Neat star, but thick base"
3115	H 5467	....	56 9	27 41	160±	4±	11 ...12	1823+	H	"In the field with Σ 830"
3116	β 16	3 <i>Monocerotis</i>	56 12	—10 36	356.1	1.80	5½...10	1872.14	Kn 1	
3117	A 214	DM (31°) 1181	56 14	31 38	282.2	0.54	8.7...10.8	1901.93	A 2	
3118	Σ 836	SD (2°) 1453	56 29	— 2 22	27.8	1.93	8.3...10.8	1832.49	Z 3	
3119	H 2288	....	56 32	54 17	118±	10±	11 ...12	1830+	H	
3120	A 502	SD (9°) 1303	56 33	— 9 11	68.1	2.19	9.0...12.5	1903.99	A 2	(Bul. L. O. No. 50)
3121	β 893	B. A. C. 1935	56 49	37 58	128.0	17.60	6.2...12.5	1878.90	β 2	
3122	A 664	SD (8°) 1293	56 51	— 8 34	217.8	0.96	9.2...12.0	1904.04	A 2	(Bul. L. O. No. 61)
3123	Σ 834	DM (30°) 1098	56 52	30 14	307.9	22.87	8.0... 8.8	1831.11	Z 3	White
3124	Hu 827	DM (32°) 1178	57 2	32 11	109.9	0.24	9.0... 9.0	1902.75	Hu 1	(See p. 1066)
3125	Σ 837 <i>rej.</i>	W ¹ V ^h . 1433	57 17	4 19	....	Cl. IV	7 ...10	....	Z	
3126	H 3825	Lac. 2107	57 21	—27 25	342.8	25±	7½...11	1835.0	H	"Another similar sp"
3127	Σ 824	<i>Camelopardalis</i> 102	57 44	76 32	214.6	1.72	8.0...10.0	1831.96	Z 3	8.0 white
3128	See 58	O. Arg. 8. 4575	57 46	—21 48	206.2	1.72	7.5...10.8	1897.80	See 1	
3129	Σ 835	DM (18°) 1078	57 57	18 19	146.6	2.24	8.0... 9.0	1830.88	Z 3	Yel. wh.: ash
3130	Σ 831	DM (67°) 414	58 18	68 0	74.1	11.82	8.7... 8.7	1831.30	Z 3	
3131	A 215	DM (31°) 1194	58 24	31 7	21.5	0.95	9.6... 9.7	1901.94	A 3	
3132	See 59	Lac. 2115	58 25	—26 17	202.6	21.30	6 ...15	1897.83	See 1	
3133	OΞ 129	<i>Aurigae</i> 183	58 43	29 31	207.7	9.83	6.3...11.0	1848.21	OΞ 3	A golden yel.
3134	Hu 450	DM (23°) 1187	58 43	23 31	235.0	0.41	8.5...10.0	1901.89	Hu 5	(Bul. L. O. No. 51)
3135	Skinner 2	SD (15°) 1261	58 43	—15 40	169.1	4.82	8.4...	1900.83	Boe 1	
3136	Σ 839	SD (2°) 1467	58 52	— 2 43	286.0	4.76	8.7... 9.2	1831.51	Z 3	White
3137	Σ 838	L 11542	58 57	0 52	326.6	40.07	6.7... 8.8	1830.79	Z 3	6.7 yel.
3138	A 503	SD (6°) 1400	59 9	— 6 6	265.1	0.37	9.1... 9.5	1903.81	A 3	A and B } (Bul. L. O. No. 50)
					254.0	5.30	...14.2	1903.80	A 2	AB and C }
3139	OΞ 130	L 11493	59 14	42 41	183.9	0.46	6.8... 8.2	1847.75	OΞ 4	
3140	A 665	SD (7°) 1274	59 15	— 7 56	108.4	2.45	8.5...10.5	1904.00	A 2	(Bul. L. O. No. 61)
3141	Ho 228	W ¹ V ^h . 1477	59 17	12 29	264.9	1.81	8.0...11.0	1887.09	Ho 2	(A. N. 5977)
3142	OΞ 131	L 11513	59 19	36 17	274.9	1.47	7.0...10.2	1847.20	OΞ 2	7.0 wh. (See p. 1066)
3143	Glasenappa	....	59 33:	18 13:	38.3	4.63	8.7...11.0	1893.08	Gla 3	
3144	A. G. 105	DM (20°) 1259	59 35	20 7	199.0	1.51	8.7...10	1902.20	M 2	
3145	H 2291	DM (55°) 1059	59 38	55 6	156.4	1½	11 = 11	1830+	H	
3146	Σ 840	L 11564	59 49	10 46	247.2	21.14	6.2... 8.5	1830.45	Z 4	A and BC } 6.2 yel. Ash
					183.5	0.91	... 8.7	1830.89	Z 3	B and C } BC red
3147	H 718	....	59 51	29 46	160±	1½	11 ...12	1820+	H	"Neat star"
3148	OΞ 132	L 11529	5 59 58	38 0	313.9	1.58	6.8...10.0	1847.20	OΞ 2	White

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
3149	H 2293	SD (7°) 1277	5 ^h 59 ^m 58 ^s	— 7° 24'	203° 5	4' ±	10 ... 11	1830+	H	
3150	H V. 14	....	6 0 ±	— 5 ±	....	60 ±	....	1779.92	H	
3151	Hd 81	....	0 ±	5 1:	304.8	15.66	10 ... 11	1867.08	Hd 1	
3152	H VI. 23	....	0 ±	59 ±	....	120 ±	....	1780.60	H	"Unidentifiable"
3153	H 378	W ² V ^h . 1933	0 14	28 58	85 ±	10 ±	10 ... 10+	1820+	H	"Duplex 19" in W ²
3154	Arg. 12	O. Arg. 8. 4618	0 23	—25 1	295.6	4.69	8.0... 8.0	1876.05	Cin 5	
3155	Ho 512	SD (13°) 1350	0 25	—13 14	352.7	15.12	7 ... 13	1898.15	Ho 1	(A. N. 3557)
3156	Σ 843 <i>rej.</i>	....	0 27:	—14 21:	....	Cl. II	9 ... 10	....	Σ	
3157	H 3830	O. Arg. 8. 4625	0 43	—28 40	1.7	8 ±	9 = 9	1837.1	H	
3158	Σ 842 <i>rej.</i>	....	0 44:	36 32:	....	Cl. IV	8 ... 10	....	Σ	
3159	OΞ 133	L 11599	0 51	21 19	34.3	3.08	6.9... 10.1	1853.79	OΞ 3	
3160	A 504	SD (8°) 1322	0 59	— 8 41	146.2	0.78	9.5... 9.6	1903.99	A 2	A and B } (Bul. L. O.
					350.5	11.70	... 15.0	1903.99	A 1	A and C } No. 50)
3161	H 5468	....	1 ±	31 42:	75 ±	10 ±	9 ... 10	1827.1	H	"Place very precarious"
3162	Σ 847	DM (0°) 1289	1 0	0 21	263.7	24.90	8.7... 9.3	1831.84	Σ 3	
3163	H 2295	....	1 5	— 3 38	346.5	8 ±	11 = 11	1830+	H	
3164	Σ 846	DM (2°) 1137	1 10	2 9	137.9	12.58	8.2... 10.7	1831.66	Σ 2	
3165	Arg. 13	O. Arg. W. 6535	1 16	57 3	250.2	25.24	7.5... 8.5	1881.29	OΞ 1	
3166	H 379	L 11603	1 20	31 17	130 ±	5-6	8 ... 18	1820+	H	
3167	Σ 850	SD (3°) 1301	1 24	— 3 59	15.8	2.09	8.5... 10.2	1832.49	Σ 3	8.5 <i>yel'sh</i>
3168	H 380	....	1 26	34 30	200 ±	15 ±	10 ... 10	1820+	H	
3169	Σ 844	DM (13°) 1120	1 30	14 1	5.9	23.58	8.2... 8.8	1830.44	Σ 3	
3170	H 3833	B. A. C. 1965	1 32	—23 6	....	Cl. V	6 ... 11	1834+	H	
3171	Σ 848	DM (14°) 1124	1 42	13 59	108.5	2.35	7.3... 8.0	1831.10	Σ 3	A and B }
					296.5	15.16	... 12.0	1872.19	Du 2	A and C }
					120.4	28.59	... 8.2	1830.10	Σ 2	A and D }
					182.8	43.05	... 9.0	1830.10	Σ 2	A and E }
3172	Σ 849	DM (17°) 1139	1 45	17 25	244.1	0.91	8.5... 8.9	1832.21	Σ 4	<i>Yel'sh</i>
3173	A 121	....	1 45	28 40	162.6	0.66	10.2... 10.5	1901.07	A 2	
3174	Σ 851	W ² V ^h . 1563	1 46	3 18	26.4	2.89	8.2... 8.7	1831.52	Σ 3	<i>White</i>
3175	H 3835	L 11687	1 51	—23 5	....	Cl. IV	8 ... 11	1834+	H	
3176	OΞ 134	DM (24°) 1126	1 54	24 27	188.2	30.93	7.0... 8.3	1848.44	OΞ 3	<i>Yel.: blue</i>
3177	H 2296	....	1 56	— 3 20	332.6	6 ±	11 ... 14	1830+	H	"Difficult"
3178	A 54	A. G. Camb. 2997	2 5	29 15	344.6	0.53	7.5... 8.8	1900.23	A 4	
3179	Σ 852	DM (7°) 1147	2 7	7 23	318.5	9.19	8.7... 9.7	1830.18	Σ 2	
3180	Σ 854	W ² V ^h . 1572	2 7	5 49	322.4	5.55	8.4... 10.0	1832.37	Σ 5	8.4 <i>wh.</i>
3181	Σ 845	41 <i>Aurigae</i>	2 25	48 44	353.1	8.00	5.2... 6.4	1830.31	Σ 6	<i>Very wh.</i>
3182	β 1241	3 <i>Geminorum</i>	2 27	23 8	344.7	0.53	5.9... 10.0	1891.84	β 3	A and B }
					63.3	18.36	... 14.5	1891.85	β 1	A and C }
3183	Σ 853	DM (11°) 1044	2 28	11 41	340.1	24.06	7.8... 8.3	1830.52	Σ 3	<i>White</i>
3184	Σ 856	DM (7°) 1149	2 34	7 4	47.4	10.28	8.3... 10.5	1831.17	Σ 3	8.3 <i>yel'sh</i>
3185	Σ 855	W ² V ^h . 1586	2 42	2 31	113.2	29.29	5.8... 6.8	1831.22	Σ 3	<i>White</i>
3186	β 17	4 <i>Monocerotis</i>	2 48	—11 8	178.6	3.38	6.5... 10.5	1872.14	Kn 1	A and B }
					244.5	8.95	... 11.5	1876.78	Δ 1	A and C }
3187	....	DM (33°) 1265	2 53	33 1	332.2	14.06	8.5... 11.5	1902.72	β 2	
3188	H 35	....	2 53:	— 7 28:	60 ±	10-15	12 ... 12½	1820+	H	
3189	A. G. 106	A. G. Liden 2488	3 5	33 4	215.7	27.00	8.8... 9.0	1902.73	β 2	
3190	Σ 859	DM (5°) 1117	3 11	5 41	249.0	31.42	8.0... 8.5	1829.70	Σ 2	<i>Yel'sh wh.</i>
3191	β 1058	4 <i>Geminorum</i>	3 13	23 1	284.3	0.41	7.2... 7.5	1889.13	β 2	
3192	H VI. 114	DM (15°) 1087	3 21	15 56	112.1	90.63	....	1783.44	H 1	
3193	OΞ (App) 69	Rad'. 1652	3 24	66 11	125.5	69.92	6.7... 8.2	1874.90	Δ 2	
3194	Σ 861	W ² V ^h . 2	3 36	30 42	318.2	1.59	7.8... 8.2	1830.95	Σ 4	B and C }
					14.6	67.14	... 8.2	1831.18	Σ 3	A and BC }
3195	Σ 863 <i>rej.</i>	....	3 36:	20 39:	....	....	9 ... 9	....	Σ	Cl. V and II
3196	β 565	L 11741	3 41	—14 3	100.4	1.02	8 ... 12	1878.21	β 1	
3197	β 1242	SD (6°) 1431	6 3 42	— 6 18	124.5	0.48	8.6... 8.8	1891.87	β 3	A and B }
					90 ±	35 ±	8-9... 10	1830+	H 1	AB and C }

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
3198	Σ 860	DM (24°) 1148	6 ^h 3 ^m 42 ^s	24° 54'	359° 2	5' 65	8.3... 9.9	1832.62	Σ 5	8.3 white
3199	Hu 106	SD (11°) 1396	3 44	-11 40	333.0	0.86	9.0... 9.3	1900.19	Hu 3	(A. J. 485)
3200	Hu 701	DM (35°) 1356	3 55	35 32	98.1	0.24	8.5... 9.5	1902.75	Hu 1	
3201	A 55	A. G. Camb. 3025	4 4	28 48	288.8	0.49	8.7... 9.3	1900.20	A 3	
3202	H 2297	....	4 20	48 38	48.7	9±	10-11... 11	1830+	H	
3203	Σ 862	DM (29°) 1140	4 26	29 31	336.6	6.55	7.2... 11.0	1831.92	Σ 3	7.2 yel.
3204	Σ 867	DM (17°) 1154	4 40	17 24	156.3	2.24	7.0... 8.5	1831.23	Σ 3	Yelish wh.: wh.
3205	Σ 865	DM (51°) 1164	4 54	51 12	66.4	5.31	8.2... 10.3	1828.27	Σ 3	8.2 yelish wh.
3206	VI. 72	68 Orionis	4 55	19 49	229.0	72.83	....	1783.79	VI 1	
3207	Jacob 2	....	5 ±	-14 35	184.0	1.8±	6½... 9	1846.4	J	
3208	H 2299	....	5 0	-3 30	41.7	10±	10 ... 13	1830+	H	
					310.4	12±	... 14	1830+	H	
3209	Σ 869	SD (9°) 1352	5 3	-9 50	279.0	24.32	7.5... 8.5	1830.16	Σ 2	7.5 white
3210	H 721	DM (0°) 1311	5 4	0 58	150±	4±	9 ... 12	1820+	H	
3211	Σ 857 rej.	Rad. 1661	5 6	65 45	....	Cl. IV	7 ... 10	....	Σ	(See p. 1066) From Cat. Nov.
3212	H 719	....	5 14	9 57	45±	3±	12 = 12	1820+	H	"Neat star"
3213	H 720	....	5 16	10 37	60±	5±	9 ... 9+	1820+	H	
3214	Σ 871	W ¹ VI ^b . 93	5 27	-0 44	305.9	7.12	8.2... 8.8	1830.50	Σ 3	Very wh.
3215	A. G. 107	DM (24°) 1161	5 28	24 27	181.0	1.85	9.0... 9.2	1902.47	M 3	
3216	Ho 513	SD (20°) 1308	5 31	-20 19	355.8	1.34	8.5... 10	1898.15	Ho 1	
3217	A 56	DM (29°) 1147	5 39	29 4	48.0	1.03	8.1... 11.8	1900.20	A 3	
3218	H 722	....	5 42	-0 33	140±	9±	9-10... 12	1820+	H	
3219	H 2301	....	5 43	5 28	358.5	5±	10-11... 11	1820+	H	
3220	A. Clark 3	L 11793	5 47	-4 38	173.6	1.11	6.5... 9.0	1854.17	Da 1	Yel.: blue
3221	H 381	....	5 47	26 43	280±	5±	11 ... 11	1820+	H	
3222	See 62	Cord. DM (22°) 2825	6 11	-22 48	96.4	0.50	8.1... 8.2	1897.83	See 2	A and B
					324.4	24.64	... 13.3	1897.83	See 2	AB and C
3223	A. G. 108	A. G. Lund 3171	6 12	38 25	276.3	12.21	9.2... 9.6	1902.80	β 2	
3224	β 1017	SD (2°) 1510	6 28	-2 56	161.1	0.65	8.5... 8.8	1892.05	β 3	
3225	Σ 873	DM (-1°) 1146	6 33	-1 16	292.6	7.98	9.0... 9.5	1830.18	Σ 3	
3226	Σ 874 rej.	....	6 36:	-3 38:	....	Cl. IV	8 ... 10	....	Σ	From Cat. Nov.
3227	Σ 875	W ¹ VI ^b . 142	6 37	-13 7	334.9	6.05	8.7... 9.8	1830.83	Σ 3	(See p. 1066)
3228	See 63	Cord. DM (22°) 2837	6 42	-22 46	166.0	17.47	7.5... 12.8	1897.80	See 1	
3229	OΣ (App) 70	L 11796	6 49	24 1	177.8	116.52	7.0... 7.5	1875.00	Δ 3	
3230	Ho 22	W ¹ VI ^b . 127	6 50	10 17	195.1	0.63	8.0... 8.0	1886.18	Ho 3	(A. N. 2778) (See p. 1066)
3231	H 36	....	6 53:	-6 5:	215±	30±	11 ... 12	1820+	H	
3232	H 2300	DM (55°) 1065	6 58	55 3	90±	10±	8 ... 12	1820+	H	(See p. 1066)
3233	Lewis 7	....	7 :	22 36:	87.6	2.99	9.5... 10.0	1900.24	L 1	
3234	Σ 866	DM (62°) 831	7 4	62 14	193.4	17.79	7.7... 8.8	1831.29	Σ 3	A and B
					264.7	78.78	... 8.2	1831.30	Σ 2	A and C } White
3235	Ho 23	W ¹ VI ^b . 150	7 23	14 32	248.6	2.76	8.2... 12.0	1884.72	Ho 2	B and C
					198.0	168.94	7 ... 7½	1825.00	S 2	A and B
3236	H 3839	SD (18°) 1338	7 26	-18 17	....	....	....	1834+	H	
3237	A 666	SD (6°) 1456	7 26	-6 22	28.3	0.55	8.4... 9.3	1904.05	A 3	A and B
					267.2	5.22	9.0... 14.5	1904.04	A 2	C and D
					318.0	230.0	....	1904.04	A 1	A and C
3238	Σ 872	W ² VI ^b . 132	7 34	36 11	217.4	11.03	6.0... 7.0	1828.94	Σ 3	White
3239	β 1008	η Geminorum	7 38	22 32	301.4	0.96	3 ... 8.8	1882.05	β 5	
3240	OΣ (App) 71	L 11862	7 44	11 51	310.1	89.53	6.3... 7.0	1875.65	Δ 3	
3241	H 2302	71 Orionis	7 46	19 12	220±	60±	6 ... 12	1830+	H	
3242	Σ 877	Orionis 277	7 52	14 37	263.3	5.32	7.2... 7.7	1829.56	Σ 3	Yelish: wh.
3243	H 2304	W ¹ VI ^b . 179	7 58	-10 47	79.4	12±	9 ... 12	1830+	H	
3244	See 64	Cord. G. C. 7475	8 16	-25 47	67.7	8.43	7.8... 9.9	1897.83	See 1	
3245	OΣ 135	L 11902	8 22	2 19	154.4	0.61	7 ... 9	1847.22	OΣ 1	
3246	H 383	8 34	-2 39	285±	2±	10 ... 10	1820+	H	
3247	Σ 879	DM (30°) 1171	6 8 37	30 7	68.6	8.28	9.2... 10.5	1828.76	Σ 2	

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Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
3248	β 566	Monocerotis 21	6 ^h 8 ^m 41 ^s	- 4° 32'	219° 7'	1'.43	8.5...12.5	1878.03	β 1	
3249	H 723	DM (0°) 1345	8 41	0 47	40±	12±	9-10... 9-10	1820+	H	(See p. 1067)
3250	Σ 876	DM (53°) 1005	8 44	53 42	51.2	7.72	8.5...11.0	1829.60	Σ 3	8.5 white
3251	β 323	L 11915	8 44	- 1 41	96.3	2.39	8.5...10.2	1876.28	Δ 2	
3252	A 505	SD (4°) 1922	8 47	- 4 25	253.8	0.68	7.5...13.5	1903.09	A 2	(Bul. L. O. No. 50)
3253	Σ 868	DM (73°) 326	8 49	73 57	41.8	3.32	8.5... 9.0	1831.31	Σ 3	White
3254	Σ 880	DM (10°) 1067	8 50	10 37	53.4	5.42	8.0... 8.0	1829.88	Σ 3	Yellowish
3255	H 384	5 Monocerotis	9 0	- 6 14	30±	35±	4-5...18	1820+	H	
3256	β 193	W ¹ VI ^b . 208	9 9	4 0	90.2	17.88	8.0...11.0	1892.04	β 2	A and B }
					231.1	58.55	...10.3	1898.84	β 1	A and C }
3257	H 2303	....	9 13	51 20	49.2	10±	11 ...11-12	1830+	H	
3258	β 894	DM (19°) 1285	9 27	19 3	138.0	5.14	8.2...12.5	1881.14	β 2	
3259	β 1018	SD (2°) 1528	9 29	- 2 44	54.7	6.02	8.5...11.7	1892.06	β 3	
3260	β 567	Monocerotis 23	9 34	- 4 53	249.5	3.83	6.8...11.0	1879.08	β 4	
3261	A 668	SD (8°) 1368	9 42	- 9 0	158.2	0.23	6.6... 6.6	1904.05	A 4	(Bul. L. O. No. 61)
3262	H 2305	DM (1°) 1276	9 45	1 13	20.4	18±	10 ...12	1830+	H	"A star 8 m. near sp."
3263	Innes 349	Lac. 2198	9 53	-29 34	41.4	5.82	7 ...11	1900.32	I 1	
3264	β 1019	SD (2°) 1534	10 7	- 2 50	274.2	0.81	8.0... 9.6	1892.06	β 3	
3265	Hu 107	SD (10°) 1443	10 8	-10 48	325.2	0.35	8.6... 8.7	1900.19	Hu 3	(A. J. 485)
3266	H V. 23	DM (15°) 1139	10 12	15 53	225±	40±	....	1793.12	H	
3267	Σ 878	DM (62°) 833	10 13	62 27	311.7	16.19	7.2...11.0	1831.30	Σ 2	7.2 yel.
3268	H 724	....	10 16	0 44	349±	8±	11 = 11	1820+	H	
3269	H 3840	....	10 20	-30 28	229.7	8±	10 = 10	1835.0	H	
3270	Σ 885	DM (6°) 1180	10 26	6 2	295.8	9.51	8.5...10.2	1829.72	Σ 2	
3271	β 96	75 Orionis	10 29	9 59	226.5	4.74	9.0...11.5	1877.93	β 1	C and D }
					159.5	119.90	....	1892.12	β 2	A and C }
					255.5	62.88	6.0...10.2	1892.12	β 2	A and B }
3272	H 2306	....	10 32	20 19	17.0	3±	10-11...11	1830+	H	"Neat"
3273	H 3842	....	10 39	-22 9	215.1	18±	10 ...10½	1837.1	H	
3274	Σ 883	DM (39°) 1584	10 46	39 49	263.4	3.27	8.2... 8.7	1830.71	Σ 4	A and B }
					257.8	28.69	...10.4	1830.71	Σ 3	A and C }
3275	β 18	L 12006	11 7	-12 0	271.9	1.79	7.3... 9.0	1876.00	Δ 3	
3276	Ho 229	W ¹ VI ^b . 272	11 16	14 26	n	3±	6 ...13	1886.11	Ho	(A. N. 2977)
3277	Σ 881	4 Lyncis	11 24	59 25	89.0	0.81	6.4... 7.9	1830.28	Σ 4	White
3278	Hu 451	DM (21°) 1189	11 27	21 53	349.6	0.46	9.0...12.2	1902.09	Hu 3	(Bul. L. O. No. 21)
3279	Ho 24	W ¹ VI ^b . 277	11 30	9 22	156.0	4.60	8.0...11.5	1884.69	Ho 3	
3280	Σ 884	O. Arg. N. 6728	11 32	47 10	270.0	9.05	8.5... 8.5	1828.22	Σ 2	Very wh.
3281	Σ 886	DM (23°) 1296	11 40	23 19	182.1	6.83	9.0...11.0	1831.58	Σ 3	
3282	H 37	....	11 41:	- 6 18:	275±	30±	11 ...12	1820+	H	
3283	Hu 108	SD (10°) 1452	11 42	-10 41	331.1	3.34	9.0...12.0	1900.19	Hu 3	(A. J. 485)
3284	H 2307	DM (54°) 1016	11 48	54 6	90.0	25±	9-10...12	1830+	H	
3285	H 2310	SD (4°) 1444	11 48	- 4 12	253.8	18±	9 ...11	1830+	H	
3286	Espin —	DM (55°) 1068	11 58	55 2	24.9	9.33	9.2... 9.3	1900.39	Es 3	(A. N. 3717)
3287	H 3845	L 12056	12 0	-22 40	51.3	25±	8 ...12	1835.0	H	
3288	H V. 55	DM (23°) 1301	12 4	23 19	....	60±	....	1783.	H	
3289	Σ 882	DM (64°) 580	12 6	64 58	267.0	3.53	8.0...11.0	1831.97	Σ 3	8.0 white
3290	Ho 230	W ¹ VI ^b . 296	12 6	13 49	52.0	1.20	8.3...10.5	1887.07	Ho 1	
3291	β 895	W ² VI ^b . 287	12 23	28 29	133.3	0.27	7.5... 7.5	1879.22	β 1	A and B }
					246.2	2.70	... 9.2	1831.22	Σ 3	A and C }
3292	A 323	SD (5°) 1576	12 24	- 5 37	216.6	0.99	7.0...10.0	1902.34	A 3	(Bul. L. O. No. 29)
3293	H 3281	....	12 25	14 48	278.6	4±	10 ...13	1831+	H	
3294	Σ 889	DM (25°) 1215	12 28	25 4	221.5	22.04	7.2... 9.5	1830.75	Σ 2	7.2 yelish
3295	H 385	DM (22°) 1280	6 12 31	22 9	51.0	1.45	8.7... 9.4	1903.73	β 3	A and B }
					55.0	5.78	...14.2	1903.78	β 3	A and C }
					291.5	9.09	...12.5	1903.73	β 3	A and D }
					59.6	16.39	...11.9	1903.73	β 3	A and E }

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
3296	Hu 452	DM (22°) 1281	6 ^h 12 ^m 33 ^s	22° 21'	341° 4	2' 56	9.0...10.0	1902.08	Hu 3	(<i>Bul. L. O. No. 21</i>)
3297	A. G. 109	DM (21°) 1196	12 34	21 31	27.0	1.99	8.8... 9.3	1902.25	Hu 2	
3298	OΞ (App) 73	L 12037	12 38	13 29	44.2	73.27	6.5... 7.0	1875.03	Δ 3	
3299	Hu 453	DM (20°) 1373	12 38	20 28	335.5	0.33	9.0... 9.8	1902.00	Hu 2	(<i>Bul. L. O. No. 21</i>)
3300	Σ 892 <i>rej.</i>	....	12 47:	12 22:	48.2	30±	11 ... 11	1831+	H	
3301	Σ 891	P VI ^h . 58	12 57	12 21	292.2	21.90	7.7...10.7	1830.53	Σ 3	White
3302	Ho 338	L 12079	13 3	-18 22	286.9	1.95	8 ... 10	1890.21	Ho 1	
3303	OΞ (App) 74	L 12044	13 12	25 15	264.2	58.03	6.7... 8.6	1874.98	Δ 3	
3304	H 2312	SD (5°) 1585	13 28	- 5 14	197.6	4±	10 = 10	1830+	H	"Neat"
3305	OΞ (App) 75	L 12062	13 33	18 6	127.4	4.51	7.2... 8.2	1876.33	Δ 3	
3306	Σ 890 <i>rej.</i>	DM (36°) 1408	13 35	36 10	269.6	15±	9 ... 13	1831+	H	From H (VI)
3307	H 3847	....	13 41	-14 29	48.3	6±	8 ... 12	1834+	H	(See p. 1067)
3308	H 2311	....	13 42	54 5	282.5	12±	10 ... 12	1830+	H	
3309	Ho 231	W ⁱ VI ^h . 362	13 45	-12 29	49.0	6.81	8 ... 11	1887.24	Ho 1	(See p. 1067)
3310	Σ 887 <i>rej.</i>	....	13 48:	60 12:	....	Cl. II	8-9... 9-10	....	Σ	From <i>Cat. Nov.</i>
3311	OΞ (App) 72	Rad ^t . 1708	13 51	59 46	299.8	43.52	7.0...11.0	1874.40	Δ 2	A and B }
					321.5	134.36	... 7.5	1874.40	Δ 2	A and C }
3312	Hd 82	....	14 :	-20 0:	5	12±	9 ... 11	1869.08	Hd	Another 11 m. star
3313	S 513	L 12072	14 4	21 11	257.2	58.91	8 ... 9½	1825.11	S 2	20" distance
					66.8	16.28	... 10	1843.23	Ma 1	A and C } AB=
										A and B } OΞ 137 <i>rej.</i>
3314	β 1296	L 12112	14 6	- 7 12	201.0	0.21	8.0... 8.5	1900.78	β 1	
3315	H 2313	....	14 9	19 34	67.3	4±	11 ... 12	1830+	H	"Neat"
3316	Hn 79	SD (5°) 1592	14 13	- 5 57	326.6	3.03	10 ... 10.8	1888.52	Com 2	
3317	S 516	Lac. 2220	14 21	-24 56	2.9	66.27	8½... 9½	1825.18	S 2	A and B }
					242.3	299.97	... 6	1825.20	S 2	A and C }
3318	H 386	DM (27°) 1081	14 21	27 35	70±	15±	9 ... 9½	1820+	H	
3319	Σ 895 <i>rej.</i>	W ⁱ VI ^h . 372	14 23	5 48	61.2	25±	9 ... 11	1830+	H	
3320	H 725	DM (9°) 1199	14 24	9 47	75±	20±	8-9...10	1820+	H	"Ruddy: purplish blue"
3321	H 2308	DM (73°) 334	14 28	73 4	223.4	25±	9 ... 11	1830+	H	
3322	OΞ 136	Rad ^t . 1707	14 33	70 36	78.4	5.67	6.5...10.3	1847.57	OΞ 3	
3323	H 2309	....	14 36	73 2	230.0	40±	9 ... 11	1830+	H	"Near H 2308"
3324	Ho 232	....	14 55	14 44	343.7	2.03	9.5...11.0	1890.11	Ho 1	
3325	Σ 897	W ⁱ VI ^h . 366	14 57	26 44	348.9	18.08	8.2... 8.5	1830.76	Σ 2	White
3326	Ho 25	DM (25°) 1238	14 57	25 17	336.2	0.3±	9 ... 9	1886.22	Ho 1	A and B }
					45.1	32.84	... 12.5	1883.26	Ho 1	AB and C }
3327	H 2315	SD (7°) 1384	15 6	- 7 14	3.0	1±	13 = 13	1830+	H	
3328	Σ 898	W ⁱ VI ^h . 395	15 18	11 2	121.0	6.05	8.3... 8.8	1828.53	Σ 3	White
3329	Jacob 3	Yar. 2610	15 41	-29 34	206.1	12.73	9 ... 10	1846.6	J	
3330	β 1059	μ Geminorum	15 42	22 34	266.7	0.80	9.8...10.7	1889.10	β 3	B and C }
					141.0	122.49	3 ...	1889.10	β 3	A and BC }
3331	β 1020	W ⁱ VI ^h . 387	15 46	28 49	158.5	1.27	8.2...10.0	1891.22	β 2	
3332	Σ 3116	Monocerotis 33	15 49	-11 43	19.2	4.48	6.2...10.4	1831.16	Σ 5	6.2 very wh.
3333	Σ 899	L 12148	15 50	17 38	20.3	2.38	7.0... 8.0	1831.23	Σ 3	Yel'sh wh.: wh.
3334	A. G. 110	A. G. Lund 3264	15 55	37 37	329.9	11.06	8.9... 9.1	1902.80	β 2	
3335	OΞ 138 <i>rej.</i>	L 12145	16 0	27 11	....	1.?	7 ... 10	....	OΞ	
3336	H 2314	....	16 4	49 35	346.3	10±	11 ... 11-12	1830+	H	
3337	Ho 233	DM (16°) 1118	16 13	16 35	37.1	1.67	8.2... 11	1887.09	Ho 2	
3338	S 514	5 Lyncis	16 20	58 29	139.5	20±	6-7...14	1830+	H	A and B }
					272.1	95.44	... 9	1825.06	S 2	A and C }
3339	Σ 896	DM (51°) 1188	16 21	51 56	82.3	19.93	8.3... 8.7	1827.91	Σ 3	White
3340	H 726	....	16 35	8 58	88±	17±	....	1820+	H	A and B }
					148±	17±	....	1820+	H	A and C }
3341	Hu 702	DM (34°) 1336	16 39	34 27	323.6	0.96	8.5... 9.0	1902.83	Hu 1	
3342	H 387	SD (2°) 1582	16 42	- 2 56	290±	4-5	10 ... 11	1820+	H	
3343	H 3850	SD (14°) 1418	16 43	-14 33	43.3	10±	9 ... 13	1836.2	H	
3344	H 38	6 16 53:	- 5 41:	240±	15±	12 ... 13	1820+	H	

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Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
3345	H 703	DM (20°) 1403	6 ^h 16 ^m 54 ^s	20° 20'	40° 7	0.68	9.0...10.0	1902.70	Hu 1	
3346	S 517	....	17 ±	-16 33:	192.3	23.83	10 ...10½	1825.16	S 2	(See p. 1067)
3347	H 2316	....	17 1	-10 48	93.0	3±	11 ...12	1830+	H	"Neat star"
3348	A. G. 111	A. G. Leiden 2590	17 4	31 53	165.2	7.16	9.3... 9.6	1902.65	β 3	
3349	Σ 900	8 Monocerotis	17 25	4 39	25.9	13.86	4.0... 6.7	1831.74	Σ 4	Yel'sh: bluish
3350	Espin 65	DM (41°) 1438	17 35	41 39	87.5	1.6	9.2...10.2	1901	Es	(A. N. 3784)
3351	O. Stone 13	....	17 39	-15 47	319.3	5.29	8½...10	1875.99	Cin 1	A and B }
					335±	12±	...10½	1875.99	Cin 1	A and C }
3352	A 669	SD (9°) 1446	18 4	- 9 17	62.2	0.23	9.0... 9.0	1904.04	A 3	(Bul. L. O. No. 61)
3353	OZ 139	L 12231	18 19	22 31	309.3	0.85	7.0... 9.5	1847.22	OZ 2	White: olive
3354	Σ 901	DM (10°) 1128	18 22	10 35	247.5	20.01	7.7... 9.5	1829.21	Σ 3	A and B }
					180±	20±	...(16)	1823+	H	A and C }
3355	β 97	L 12260	18 29	- 1 21	257.8	1.15	7.2... 9.2	1876.00	A 3	
3356	H 727	....	18 29	- 0 10	315±	6±	11 ...11	1820+	H	
3357	β 568	Canis Majoris 33	18 36	-19 43	155.1	0.78	7.0... 7.3	1878.21	β 1	
3358	Hu 561	DM (50°) 1308	18 47	50 14	331.4	2.24	9.0...11.0	1902.72	Hu 2	(Bul. L. O. No. 67)
3359	Σ 903	SD (12°) 1470	18 49	-12 54	294.3	23.32	7.0...11.0	1829.69	Σ 2	7.0 white
3360	S 518	L 12304	18 59	-16 10	89.5	15.60	8 ...10	1825.03	S 2	
3361	β 1191	L 12262	19 8	18 50	161.5	1.33	7.0...13.8	1890.93	β 3	
3362	A 324	SD (4°) 1498	19 9	- 4 22	353.5	0.96	9.0... 9.1	1902.87	A 2	(Bul. L. O. No. 69)
3363	H 388	....	19 13	29 55	150±	15±	11 ...11+	1820+	H	
3364	Ku 25	DM (9°) 1235	19 19	9 48	121.9	3.79	9.8...10.3	1901.63	Ku 2	Kustner (381)
3365	H 3282	DM (38°) 1492	19 27	38 10	325.3	16±	9 ...15	1831+	H	
3366	Σ 902	DM (35°) 1412	19 30	35 2	148.8	11.91	8.4... 9.4	1831.61	Σ 4	8.4 yel.
3367	Hu 562	DM (49°) 1497	19 36	49 48	3.4	1.42	8.7...11.2	1902.72	Hu 2	(Bul. L. O. No. 67)
3368	β 569	L 12315	19 37	-10 52	120.7	1.84	8.2...10.5	1877.99	β 1	
3369	Cordoba	Cord. DM (27°) 2957	19 37	-27 58	242.5	9.37	8.0... 8.5	1879.19	Cin 1	
3370	Ho 339	SD (19°) 1439	19 41	-19 39	194.5	4.81	8.3... 9.0	1890.20	Ho 2	
3371	Hu 109	SD (10°) 1516	19 44	-10 34	68.7	0.38	9.3... 9.5	1900.19	Hu 3	(A. J. 485)
3372	OZ 140	L 12289	19 45	15 35	123.4	2.79	7.0... 9.5	1847.22	OZ 3	7.0 white
3373	Σ 893	....	20 :	79 46:	45.4	16.86	8.5...10.0	1831.35	Σ 2	
3374	A. G. 112	DM (24°) 1270	20 8	24 36	208.8	2.50	9.0... 9.1	1902.50	M 3	
3375	Σ 904	DM (51°) 1195	20 16	51 51	163.6	5.16	9.0...10.2	1829.59	Σ 3	
3376	Hu 110	SD (10°) 1521	20 19	-10 5	131.7	2.25	9.4... 9.6	1900.22	Hu 2	(A. J. 485)
3377	Σ 907	DM (30°) 1235	20 26	30 30	301.7	11.73	8.7...10.0	1830.26	Σ 2	
3378	H 728	DM (-1°) 1240	20 29	- 1 46	263±	25±	9 ...10	1820+	H	
3379	Σ 905	W ⁺ V ^h . 514	20 31	40 12	117.4	1.83	8.0...10.0	1833.14	Σ 3	8.0 white
3380	Σ 911	W ⁺ V ^h . 566	20 33	4 9	159.3	13.78	8.5... 8.5	1829.72	Σ 2	Yel'sh
3381	Σ 906	DM (37°) 1516	20 34	37 27	335.9	6.62	8.3... 9.5	1828.79	Σ 3	8.3 white
3382	Σ 910	P V ^h . 105	20 36	0 31	150.5	66.15	6.0...	1831.68	Σ 2	A and BC }
					170.9	0.67	8.3... 9.0	1829.53	Σ 3	B and C }
3383	Sh 70	15 Geminorum	20 37	20 52	204.7	32.69	7 ... 9	1822.09	S 1	White: blue
3384	A. G. 113	A. G. Leiden 2623	20 38	31 20	315.9	10.93	9.5... 9.6	1902.75	β 2	
3385	Σ 909	DM (35°) 1420	20 42	35 20	97.2	12.97	8.0...10.9	1830.14	Σ 4	8.0 yel'sh
3386	Espin 66	....	20 42	58 32	275.2	2.5	9.1... 9.3	1901	Es	(A. N. 3784)
3387	H 390	....	20 45	24 22	225±	9±	10 ...10	1820+	H	
3388	Σ 914	SD (7°) 1429	20 57	- 7 26	297.5	21.04	6.7... 9.0	1831.67	Σ 2	6.7 very wh.
3389	H 2317	DM (53°) 1029	20 57	53 54	49.8	12±	9 ...13	1830+	H	
3390	Σ 913	W ⁺ V ^h . 553	21 2	15 46	48.2	31.31	7.8... 9.7	1829.51	Σ 3	7.8 white
3391	Σ 908	DM (53°) 1030	21 7	53 56	356.9	8.54	9.5... 9.5	1827.78	Σ 2	
3392	Σ 912	L 12326	21 38	36 41	27.3	3.33	8.2...10.2	1830.57	Σ 3	8.2 white
3393	Hu 218	SD (11°) 1493	21 40	-11 46	43.6	1.35	8.6...13.0	1900.23	Hu 2	(A. J. 494)
3394	H 3859	Cord. DM (26°) 3025	21 41	-26 45	252.9	15±	9 ... 9½	1835.0	H	
3395	Schj. 4	SD (5°) 1642	21 50	- 5 52	....	40±	9 ... 9.5	....	....
3396	Σ 915	DM (5°) 1249	6 21 50	5 21	39.2	5.91	8.0... 9.0	1833.49	Σ 3	White

Within 121° of the North Pole

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Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
3397	β 1192	ν Geminorum	6 ^h 21 ^m 50 ^s	20° 17'	346° 2	0 ^h 15	8.7... 8.8	1890.88	β 3	B and C
					329.1	112.54	....	1876.02	Δ 3	A and BC
					358.0	22.65	...15.0	1890.88	β 3	A and α
					13.3	53.90	...13.8	1890.87	β 2	A and δ
					254.6	56.76	...12.5	1890.87	β 2	A and c
					11.6	92.13	...13.0	1890.87	β 2	A and d
3398	A. G. 114	DM (8°) 1352	21 52	8 38	359.5	5.39	9.2...10.0	1894.14	Lp 1	
3399	A. G. 115	A. G. Liden 2643	22 35	30 31	353.3	3.97	8.8... 9.1	1902.77	β 2	
3400	\overline{H} N. 141	....	22 54:	21 41:	....	Cl. II	....	1801.	H	
3401	\overline{H} III. 43	....	22 54:	- 7 3:	293.6	....	....	1781.80	H	
3402	Σ 919	11 Monocerotis	23 0	- 6 57	130.0	7.25	5.0... 5.5	1831.23	Σ 3	A and B
					101.7	2.46	... 6.0	1831.23	Σ 3	B and C
					56.1	25.79	...12.5	1878.02	β 3	A and D
3403	Arg. 14	O. Arg. N. 6952	23 0	45 47	220 \pm	5 \pm	9 ...10	....	β	
3404	H 391	DM (25°) 1301	23 1	25 46	240 \pm	15 \pm	9 ...12	1820+	H	(See p. 1067)
3405	O Σ 141	L 12405	23 1	17 59	142.4	2.30	7.5... 9.6	1848.88	O Σ 4	A white
3406	Ho 514	L 12402	23 7	22 37	128.4	19.34	7 ...12.7	1895.64	Ho 2	(A. N. 3557)
3407	H 729	....	23 20	- 6 24	20 \pm	6 \pm	10 ...11	1820+	H	(See p. 1067)
3408	H 2318	Schj. 2227	23 22	-10 16	280.0	15 \pm	9 ...11	1830+	H	
3409	Ho 340	L 12423	23 25	18 2	24.2	6.40	7.2...13.0	1891.65	Ho 2	
3410	O Σ 142	L 12240	23 27	7 11	352.2	8.56	7.0...10.5	1848.71	O Σ 2	A white
3411	H 3283	....	23 27	12 42	177.2	12 \pm	11 ...11	1831+	H	
3412	\overline{H} N. 111	DM (20°) 1454	23 37	20 30	167.2	Cl. V	....	1795.79	H	
3413	Ku 26	DM (3°) 1264	23 41	3 26	156.7	2.11	10.1...10.2	1901.61	Ku 2	Kustner (3821)
3414	β 753	λ Canis Majoris	23 43	-32 30	47.2	1.29	5.8... 7.7	1892.14	β 3	
3415	Σ 917 rej.	....	23 48:	52 34:	....	Cl. IV	8 ...10	....	Σ	From Cat. Nov.
3416	β 896	L 12414	23 48	32 15	199.3	0.89	7.0...10.0	1879.00	β 1	A and B
					210.8	18.44	...13.0	1879.56	β 2	A and C
3417	Welsse 12	W ^o VI ^h . 647	23 57	21 48	64.3	8.47	8.5... 8.6	1903.01	β 2	
3418	Σ 916	DM (56°) 1130	24 2	56 44	250.6	9.11	8.5... 9.8	1829.93	Σ 3	8.5 white
3419	See 67	Cord. DM (23°) 3914	24 2	-23 31	214.3	2.60	8.2... 9.3	1897.83	See 1	
3420	β 1021	W ^o VI ^h . 648	24 8	28 28	86.0	0.68	8.1... 9.4	1892.16	Lv 2	
3421	Σ 920	DM (4°) 1282	24 8	4 25	208.6	9.26	8.0...11.2	1829.82	Σ 3	8.0 white
3422	O Σ 143	W ^o VI ^h . 655	24 12	17 1	104.4	7.55	6.8... 9.9	1852.38	O Σ 4	A golden yel.
3423	Σ 918	Aurigae 229	24 21	52 33	322.4	4.45	6.7... 7.7	1829.26	Σ 3	White
3424	\overline{H} IV. 28	....	24 24:	17 1:	213.0	19.67	....	1782.28	H	
3425	H 3863	O. Arg. S. 5177	24 24	-22 31	121 \pm	2 \pm	6 $\frac{1}{2}$... 9	1837.1	H	
3426	O Σ 519	L 12458	24 25	15 49	79.1	8.13	8.0...10.3	1847.11	O Σ 3	
3427	Σ 921	DM (11°) 1204	24 29	11 20	3.8	16.28	6.0... 8.2	1831.38	Σ 6	Yel'wh. wh.: bl. wh.
3428	H 2319	DM (47°) 1312	24 55	47 52	300.5	3 \pm	9 ...11	1830+	H	
					253.8	15 \pm	...14	1830+	H	
3429	H 3865	....	25 3	-17 44	64.3	18 \pm	9 $\frac{1}{2}$...11	1836.2	H	
3430	H 3864	L 12520	25 4	-14 52	43.3	20 \pm	7 $\frac{1}{2}$...12	1836.2	H	
3431	O Σ 144 rej.	L 12502	25 6	3 0	....	12 \pm	7 ...10-11	....	O Σ	
3432	H 731	W ^o VI ^h . 718	25 8	- 9 34	40 \pm	15 \pm	9 ...10	1820+	H	
3433	H 730	....	25 13	29 50	25 \pm	5 \pm	10 ...11	1820+	H	
3434	Σ 926	DM (5°) 1280	25 16	5 51	287.1	10.67	7.3... 8.7	1829.54	Σ 3	Yel'wh. wh.: ash
3435	Σ 924	20 Geminorum	25 18	17 52	209.8	20.01	6.0... 6.9	1830.00	Σ 4	Yel'wh. wh.: bl. wh.
3436	H 3866	O. Arg. S. 5202	25 27	-24 4	112 \pm	3 \pm	8 ...12	1835.0	H	
3437	O Σ 145	L 12500	25 27	15 47	338.7	2.03	7.0... 9.8	1846.79	O Σ 3	
3438	H 2320	W ^o VI ^h . 695	25 30	20 58	327.1	9 \pm	9 ...12	1830+	H	
3439	G. Anderson 3	DM (5°) 1283	25 33	5 2	282.4	3.66	7.5...12.0	1876.17	H1 1	A and B
					319.8	7.20	...12.5	1876.17	H1 1	A and C
					288.4	12.64	...13	1876.17	H1 1	A and D
					197.5	13.28	...13	1876.17	H1 1	A and E
3440	O Σ 146 rej.	L 12511	6 25 42	11 46	142.5	33.34	5.7... 9.3	1867.59	Δ 3	5.7 yel.

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Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
3345	H 703	DM (20°) 1403	6 ^h 16 ^m 54 ^s	20° 20'	40° 7'	0.68	9.0...10.0	1902.70	Hu 1	
3346	S 517	....	17 ±	-16 33	192.3	23.83	10 ...10½	1825.16	S 2	(See p. 1067)
3347	H 2316	....	17 1	-10 48	93.0	3±	11 ...12	1830+	H	"Neat star"
3348	A. G. 111	A. G. Leiden 2590	17 4	31 53	165.2	7.16	9.3... 9.6	1902.65	β 3	
3349	Σ 900	8 Monocerotis	17 25	4 39	25.9	13.86	4.0... 6.7	1831.74	Σ 4	Yel'sh: bluish
3350	Espin 65	DM (41°) 1438	17 35	41 39	87.5	1.6	9.2...10.2	1901	Es	(A. N. 3784)
3351	O. Stone 13	....	17 39	-15 47	319.3	5.29	8½...10	1875.99	Cin 1	A and B }
					335±	12±	...10½	1875.99	Cin 1	A and C }
3352	A 669	SD (9°) 1446	18 4	- 9 17	62.2	0.23	9.0... 9.0	1904.04	A 3	(Bul. L. O. No. 61)
3353	OΞ 139	L 12231	18 19	22 31	309.3	0.85	7.0... 9.5	1847.22	OΞ 2	White: olive
3354	Σ 901	DM (10°) 1128	18 22	10 35	247.5	20.01	7.7... 9.5	1829.21	Σ 3	A and B }
					180±	20±	...(16)	1823+	H	A and C } 7.7 wh.
3355	β 97	L 12260	18 29	- 1 21	257.8	1.15	7.2... 9.2	1876.00	Δ 3	
3356	H 727	....	18 29	- 0 10	315±	6±	11 ...11	1820+	H	
3357	β 568	Canis Majoris 33	18 36	-19 43	155.1	0.78	7.0... 7.3	1878.21	β 1	
3358	Hu 561	DM (50°) 1308	18 47	50 14	331.4	2.24	9.0...11.0	1902.72	Hu 2	(Bul. L. O. No. 27)
3359	Σ 903	SD (12°) 1470	18 49	-12 54	294.3	23.32	7.0...11.0	1829.69	Σ 2	7.0 white
3360	S 518	L 12304	18 59	-16 10	89.5	15.60	8 ...10	1825.03	S 2	
3361	β 1191	L 12262	19 8	18 50	161.5	1.33	7.0...13.8	1890.93	β 3	
3362	A 324	SD (4°) 1498	19 9	- 4 22	353.5	0.96	9.0... 9.1	1902.87	A 2	(Bul. L. O. No. 29)
3363	H 388	....	19 13	29 55	150±	15±	11 ...11+	1820+	H	
3364	Ku 25	DM (9°) 1235	19 19	9 48	121.9	3.79	9.8...10.3	1901.63	Ku 2	Kustner (382)
3365	H 3282	DM (38°) 1492	19 27	38 10	325.3	16±	9 ...15	1831+	H	
3366	Σ 902	DM (35°) 1412	19 30	35 2	148.8	11.91	8.4... 9.4	1831.61	Σ 4	8.4 yel.
3367	Hu 562	DM (49°) 1497	19 36	49 48	3.4	1.42	8.7...11.2	1902.72	Hu 2	(Bul. L. O. No. 27)
3368	β 569	L 12315	19 37	-10 52	120.7	1.84	8.2...10.5	1877.99	β 1	
3369	Cordoba	Cord. DM (27°) 2957	19 37	-27 58	242.5	9.37	8.0... 8.5	1879.19	Cin 1	
3370	Ho 339	SD (19°) 1439	19 41	-19 39	194.5	4.81	8.3... 9.0	1890.20	Ho 2	
3371	Hu 109	SD (10°) 1516	19 44	-10 34	68.7	0.38	9.3... 9.5	1900.19	Hu 3	(A. J. 485)
3372	OΞ 140	L 12289	19 45	15 35	123.4	2.79	7.0... 9.5	1847.22	OΞ 3	7.0 white
3373	Σ 893	....	20 :	79 46	45.4	16.86	8.5...10.0	1831.35	Σ 2	
3374	A. G. 112	DM (24°) 1270	20 8	24 36	208.8	2.50	9.0... 9.1	1902.50	M 3	
3375	Σ 904	DM (51°) 1195	20 16	51 51	163.6	5.16	9.0...10.2	1829.59	Σ 3	
3376	Hu 110	SD (10°) 1521	20 19	-10 5	131.7	2.25	9.4... 9.6	1900.22	Hu 2	(A. J. 485)
3377	Σ 907	DM (30°) 1235	20 26	30 30	301.7	11.73	8.7...10.0	1830.26	Σ 2	
3378	H 728	DM (-1°) 1240	20 29	- 1 46	263±	25±	9 ...10	1820+	H	
3379	Σ 905	W ² V ¹ b. 514	20 31	40 12	117.4	1.83	8.0...10.0	1833.14	Σ 3	8.0 white
3380	Σ 911	W ¹ V ¹ b. 566	20 33	4 9	159.3	13.78	8.5... 8.5	1829.72	Σ 2	Yel'sh
3381	Σ 906	DM (37°) 1516	20 34	37 27	335.9	6.62	8.3... 9.5	1828.79	Σ 3	8.3 white
3382	Σ 910	P V ¹ b. 105	20 36	0 31	150.5	66.15	6.0...	1831.68	Σ 2	A and BC } BC
					170.9	0.67	8.3... 9.0	1829.53	Σ 3	B and C } Yel'sh
3383	Sh 70	15 Geminorum	20 37	20 52	204.7	32.69	7 ... 9	1822.09	S 1	White: blue
3384	A. G. 113	A. G. Leiden 2623	20 38	31 20	315.9	10.93	9.5... 9.6	1902.75	β 2	
3385	Σ 909	DM (35°) 1420	20 42	35 20	97.2	12.97	8.0...10.9	1830.14	Σ 4	8.0 yel'sh
3386	Espin 66	....	20 42	58 32	275.2	2.5	9.1... 9.3	1901	Es	(A. N. 3784)
3387	H 390	....	20 45	24 22	225±	9±	10 ...10	1820+	H	
3388	Σ 914	SD (7°) 1429	20 57	- 7 26	297.5	21.04	6.7... 9.0	1831.67	Σ 2	6.7 very wh.
3389	H 2317	DM (53°) 1029	20 57	53 54	49.8	12±	9 ...13	1830+	H	
3390	Σ 913	W ² V ¹ b. 553	21 2	15 46	48.2	31.31	7.8... 9.7	1829.51	Σ 3	7.8 white
3391	Σ 908	DM (53°) 1030	21 7	53 56	356.9	8.54	9.5... 9.5	1827.78	Σ 2	
3392	Σ 912	L 12326	21 38	36 41	27.3	3.33	8.2...10.2	1830.57	Σ 3	8.2 white
3393	Hu 218	SD (11°) 1493	21 40	-11 46	43.6	1.35	8.6...13.0	1900.23	Hu 2	(A. J. 494)
3394	H 3859	Cord. DM (26°) 3025	21 41	-26 45	252.9	15±	9 ... 9½	1835.0	H	
3395	Schj. 4	SD (5°) 1642	21 50	- 5 52	....	40±	9 ... 9.5	....	....
3396	Σ 915	DM (5°) 1249	6 21 50	5 21	39.2	5.91	8.0... 9.0	1833.49	Σ 3	White

Within 121° of the North Pole

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Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
3397	β 1192	γ Geminorum	6 ^h 21 ^m 50 ^s	20° 17'	346° 2	0' 15	8.7... 8.8	1890.88	β 3	B and C
					329.1	112.54	....	1876.02	Δ 3	A and BC
					358.0	22.65	...15.0	1890.88	β 3	A and <i>a</i>
					13.3	53.90	...13.8	1890.87	β 2	A and <i>b</i>
					254.6	56.76	...12.5	1890.87	β 2	A and <i>c</i>
					11.6	92.13	...13.0	1890.87	β 2	A and <i>d</i>
3398	A. G. 114	DM (8°) 1352	21 52	8 38	359.5	5.39	9.2...10.0	1894.14	Lp 1	
3399	A. G. 115	A. G. Leiden 2643	22 35	30 31	353.3	3.97	8.8... 9.1	1902.77	β 2	
3400	H. N. 141	....	22 54:	21 41:	....	Cl. II	....	1801.	H	
3401	H. III. 43	....	22 54:	- 7 3:	293.6	....	....	1781.80	H	
3402	Σ 919	11 Monocerotis	23 0	- 6 57	130.0	7.25	5.0... 5.5	1831.23	Σ 3	A and B
					101.7	2.46	... 6.0	1831.23	Σ 3	B and C
					56.1	25.79	...12.5	1878.02	β 3	A and D
										White (AD= β 570)
3403	Arg. 14	O. Arg. N. 6952	23 0	45 47	220±	5±	9 ...10	....	β	
3404	H 391	DM (25°) 1301	23 1	25 46	240±	15±	9 ...12	1820+	H	(See p. 1067)
3405	O Σ 141	L 12405	23 1	17 59	142.4	2.30	7.5... 9.6	1848.88	O Σ 4	A white
3406	Ho 514	L 12402	23 7	22 37	128.4	19.34	7 ...12.7	1895.64	Ho 2	(A. N. 3557)
3407	H 729	....	23 20	- 6 24	20±	6±	10 ...11	1820+	H	(See p. 1067)
3408	H 2318	Schj. 2227	23 22	-10 16	280.0	15±	9 ...11	1830+	H	
3409	Ho 340	L 12423	23 25	18 2	24.2	6.40	7.2...13.0	1891.65	Ho 2	
3410	O Σ 142	L 12240	23 27	7 11	352.2	8.56	7.0...10.5	1848.71	O Σ 2	A white
3411	H 3283	....	23 27	12 42	177.2	12±	11 ...11	1831+	H	
3412	H. N. 111	DM (20°) 1454	23 37	20 30	167.2	Cl. V	....	1795.79	H	
3413	Ku 26	DM (3°) 1264	23 41	3 26	156.7	2.11	10.1...10.2	1901.61	Ku 2	Kustner (3821)
3414	β 753	λ Canis Majoris	23 43	-32 30	47.2	1.29	5.8... 7.7	1892.14	β 3	
3415	Σ 917 rej.	....	23 48:	52 34:	....	Cl. IV	8 ...10	....	Σ	From Cat. Nov.
3416	β 896	L 12414	23 48	32 15	199.3	0.89	7.0...10.0	1879.00	β 1	A and B
					210.8	18.44	...13.0	1879.56	β 2	A and C
3417	Weisse 12	W ^a VI ^b . 647	23 57	21 48	64.3	8.47	8.5... 8.6	1903.01	β 2	
3418	Σ 916	DM (56°) 1130	24 2	56 44	250.6	9.11	8.5... 9.8	1829.93	Σ 3	8.5 white
3419	See 67	Ord. DM (23°) 3914	24 2	-23 31	214.3	2.60	8.2... 9.3	1897.83	See 1	
3420	β 1021	W ^a VI ^b . 648	24 8	28 28	86.0	0.68	8.1... 9.4	1892.16	Lv 2	
3421	Σ 920	DM (4°) 1282	24 8	4 25	208.6	9.26	8.0...11.2	1829.82	Σ 3	8.0 white
3422	O Σ 143	W ^a VI ^b . 655	24 12	17 1	104.4	7.55	6.8... 9.9	1852.38	O Σ 4	A golden yel.
3423	Σ 918	Aurigae 229	24 21	52 33	322.4	4.45	6.7... 7.7	1829.26	Σ 3	White
3424	H. IV. 28	....	24 24:	17 1:	213.0	19.67	....	1782.28	H	
3425	H 3863	O. Arg. S. 5177	24 24	-22 31	121±	2±	6½... 9	1837.1	H	
3426	O Σ 519	L 12458	24 25	15 49	79.1	8.13	8.0...10.3	1847.11	O Σ 3	
3427	Σ 921	DM (11°) 1204	24 29	11 20	3.8	16.28	6.0... 8.2	1831.38	Σ 6	Yellow wh.: bl. wh.
3428	H 2319	DM (47°) 1312	24 55	47 52	300.5	3±	9 ...11	1830+	H	
					253.8	15±	...14	1830+	H	
3429	H 3865	....	25 3	-17 44	64.3	18±	9½...11	1836.2	H	
3430	H 3864	L 12520	25 4	-14 52	43.3	20±	7½...12	1836.2	H	
3431	O Σ 144 rej.	L 12502	25 6	3 0	....	12±	7 ...10-11	....	O Σ	
3432	H 731	W ^a VI ^b . 718	25 8	- 9 34	40±	15±	9 ...10	1820+	H	
3433	H 730	....	25 13	29 50	25±	5±	10 ...11	1820+	H	
3434	Σ 926	DM (5°) 1280	25 16	5 51	287.1	10.67	7.3... 8.7	1829.54	Σ 3	Yellow wh.: ash
3435	Σ 924	20 Geminorum	25 18	17 52	209.8	20.01	6.0... 6.9	1830.00	Σ 4	Yellow wh.: bl. wh.
3436	H 3866	O. Arg. S. 5202	25 27	-24 4	112±	3±	8 ...12	1835.0	H	
3437	O Σ 145	L 12500	25 27	15 47	338.7	2.03	7.0... 9.8	1846.79	O Σ 3	
3438	H 2320	W ^a VI ^b . 695	25 30	20 58	327.1	9±	9 ...12	1830+	H	
3439	G. Anderson 3	DM (5°) 1283	25 33	5 2	282.4	3.66	7.5...12.0	1876.17	H1 1	A and B
					319.8	7.20	...12.5	1876.17	H1 1	A and C
					288.4	12.64	...13	1876.17	H1 1	A and D
					197.5	13.28	...13	1876.17	H1 1	A and E
3440	O Σ 146 rej.	L 12511	6 25 42	11 46	142.5	33.34	5.7... 9.3	1867.59	Δ 3	5.7 yel.

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Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
3441	H 392	W ⁺ VI ^h . 702	6 ^h 25 ^m 44 ^s	25° 22'	40° ±	30" ±	8 ... 8+	1820+	H	(See p. 1068)
3442	H II. 37	DM (5°) 1285	25 45	5 3	....	....	....	1781+	H	
3443	OΣ 147	L 12491	26 6	38 10	73.4	42.93	6.8... 8.5	1849.76	OΣ 2	A and B
					116.1	46.09	....	1849.76	OΣ 2	A and CD
					114.7	0.55	9.8...10.2	1849.76	OΣ 2	C and D
3444	H 732	....	26 8	- 0 34	310 ±	14 ±	10 ... 10	1820+	H	
3445	H 393	....	26 10	27 15	255 ±	12 ±	11 ... 12	1820+	H	
3446	H 2321	O. Arg. S. 5217	26 12	-20 33	303.5	8 ±	8 ... 10	1830+	H	
3447	A 670	SD (9°) 1507	26 13	- 9 33	198.6	0.49	8.5... 9.2	1904.06	A 3	(Bul. L. O. No. 61)
3448	A 216	DM (31°) 1333	26 22	31 16	109.8	1.82	9.0...13.8	1901.78	A 3	
3449	Σ 928	W ⁺ VI ^h . 709	26 26	38 38	134.4	3.40	7.4... 8.0	1829.98	Z 4	Yel'ish wh.; wh.
3450	Σ 922	DM (64°) 593	26 33	64 50	136.3	10.24	7.2...11.0	1831.80	Z 2	A and B
					1.3	26.18	...10.5	1831.80	Z 2	A and C
					....	....	....	....	Z	From Cat. Nov.
3451	Σ 930 rej.	....	26 43:	8 6:	....	III-IV	8...9...10	....	Z	
3452	β 98	L 12564	26 46	- 5 15	140.8	1.05	8.3...8.3	1876.09	Δ 3	
3453	See 68	ξ Canis Majoris	26 51	-23 21	146.6	24.81	4.9...14.5	1897.83	See 1	A and B
					303.1	28.91	...14	1897.83	See 1	A and C
3454	Σ 931 rej.	....	26 54:	8 6:	....	CL IV	9-10...11	....	Z	From Cat. Nov.
3455	S 524	DM (22°) 1386, 1384	26 54	22 13	242.9	53.28	7 ... 7½	1824.99	S 3	A and B
					149.6	106.51	..(12-15)	1824.03	S 1	A and C
3456	OΣ 148	W ⁺ VI ^h . 725	26 57	37 9	77.1	2.54	7.1...10.8	1849.24	OΣ 4	7.1 golden
3457	Σ 929	DM (37°) 1540	27 10	37 49	24.6	6.02	7.1... 8.2	1830.49	Z 4	Yel'ish: very blue
3458	Hu 41	SD (11°) 1524	27 16	-11 59	195.5	1.54	8.5...12.2	1900.03	Hu 2	(A. J. 480)
3459	H 2322	....	27 23	2 1	322.2	15 ±	10 ... 10+	1830+	H	
3460	Σ 932	W ⁺ VI ^h . 779	27 31	14 51	341.7	2.43	8.2... 8.3	1830.53	Z 3	White
3461	H 2324	....	27 32	2 4	128.1	12 ±	10 ... 12	1830+	H	
3462	Σ 923 rej.	DM (59°) 998	27 32	59 31	....	CL IV	6 ... 10	....	Z	
3463	Hu 42	SD (12°) 1535	27 33	-13 0	176.7	3.83	9.0...11.5	1900.03	Hu 2	(A. J. 480)
3464	Hu 219	DM (61°) 895	27 37	61 7	315.5	0.69	8.5...11.7	1900.80	Hu 3	(A. J. 494)
3465	Σ 925	DM (67°) 441	27 41	67 26	92.7	3.37	7.8...10.3	1831.94	Z 3	7.8 wh.
3466	Hu 43	SD (12°) 1540	27 59	-12 1	313.8	1.11	8.4... 8.8	1900.03	Hu 2	(A. J. 480)
3467	β 194	DM (38°) 1537	28 4	38 5	285.0	0.91	8.0... 8.5	1875.43	Δ 4	
3468	A 506	A. G. Camb. 3344	28 6	28 21	25.2	0.26	8.1... 8.6	1903.87	A 3	(Bul. L. O. No. 50)
3469	Σ 938	14 Monocerotis	28 16	7 40	206.7	10.27	7.0...11.2	1831.23	Z 2	7.0 very wh.
3470	Σ 933	W ⁺ VI ^h . 767	28 20	41 14	74.7	25.54	8.0... 8.5	1829.27	Z 3	Very wh.
3471	H 394	W ⁺ VI ^h . 816	28 22	- 2 59	325 ±	60 ±	7 ... 9	1820+	H	Yellow: blue
3472	A 217	DM (30°) 1275	28 41	30 12	44.7	0.17	8.6... 8.9	1901.83	A 4	
3473	A. G. 116	A. G. Lund 2398	28 45	38 19	28.2	2.15	8.8... 9.1	1902.80	β 2	
3474	OΣ 149	W ⁺ VI ^h . 699	28 55	27 23	350.7	0.53	6.5... 9.0	1848.23	OΣ 3	
3475	Ho 234	SD (11°) 1536	28 55	-11 8	185.6	0.37	8.2... 8.2	1888.64	Ho 3	
3476	A 507	SD (6°) 1617	28 55	- 6 4	240.8	0.44	9.7...10.5	1903.84	A 2	(Bul. L. O. No. 50)
3477	Ho 235	....	28 56	-11 10	54.8	2.85	10.5...11.0	1890.08	Ho 2	
3478	A 508	SD (8°) 1480	28 56	- 8 31	130.8	0.27	9.1... 9.5	1903.86	A 3	(Bul. L. O. No. 50)
3479	Σ 935	DM (52°) 1106	28 58	52 24	322.2	3.41	8.2... 9.0	1829.58	Z 3	White
3480	Σ 940	Rad'. 1773	29 2	38 33	293.2	10.11	8.0...10.0	1828.77	Z 2	8.0 white
3481	Σ 934	DM (55°) 1101	29 9	55 8	329.5	4.05	8.7... 9.5	1831.30	Z 4	
3482	H 733	....	29 10	- 2 2	355 ±	5 ±	10 ... 12	1820+	H	
3483	Ho 341	L 12628	29 17	13 47	134.4	1.38	7 ... 12	1891.65	Ho 2	
3484	Σ 936	DM (58°) 949	29 20	58 12	254.9	1.61	7.0... 8.7	1831.64	Z 3	Yel.: blue
3485	H 3871	Lac. 2337	29 28	-29 32	353.1	10 ±	7½... 8	1837.1	H	
3486	Hu 220	SD (13) 1553	29 32	-13 55	77.0	1.00	9.0...11.0	1900.20	Hu 2	(A. J. 494)
3487	Σ 939	DM (5°) 1315	29 32	5 24	106.1	29.84	8.1... 8.7	1832.18	Z 4	A and B
					49.3	39.76	... 9.0	1832.18	Z 4	A and C
					3.0	34.27	....	1832.18	Z 4	B and C
3488	Σ 937 rej.	....	29 40:	59 32:	....	CL IV	7-8...10	....	Z	From Cat. Nov.
3489	H 395	DM (27°) 1172	6 29 47	27 23	140 ±	10 ±	9 ... 11	1820+	H	

Within 121° Degrees of the North Pole

6^h

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
3490	Σ 941	W ¹ VI ^b . 820	6 ^h 30 ^m 11 ^s	41° 41'	77° 6'	1.95	7.0... 8.0	1830.29	Z 4	Bluish wh.: pur- plish wh.
3491	H 734	....	30 14	— 9 22	40±	7±	10 = 10	1820+	H	"Fine double star."
3492	Σ 942	DM (23°) 1429	30 22	23 45	244.1	3.29	9.0... 9.2	1830.89	Z 3	White
3493	β 754	Lac. 2350	30 22	—33 55	36.5	0.78	8.0... 8.2	1892.18	β 2	
3494	H 396	....	30 30	25 5	30±	4±	11 ... 12	1820+	H	
3495	Σ 943	DM (23°) 1432	30 33	23 17	155.9	15.46	8.5... 9.0	1829.74	Z 2	White
3496	H V. 71	....	30 42:	16 33:	....	....	....	....	H	
3497	OΞ 150	W ¹ VI ^b . 846	30 49	42 6	351.1	0.34	7.1... 8.0	1847.27	OΞ 4	
3498	H 736	....	30 49	— 6 12	45±	8±	11 ... 12	1820+	H	A and B }
					280±	5±	... 14	1820+	H	A and C }
3499	S 529	W ¹ VI ^b . 883	30 51	12 17	162.9	91.99	7 ... 9	1825.12	S 2	A and B }
					170.7	187.91	... 8	1825.12	S 2	A and C }
3500	Ho 515	DM (9°) 1281	30 58	9 14	254.5	9.94	8 ... 12.2	1895.64	Ho 4	(A. N. 3557)
3501	H 2323	....	30 59	72 24	4.7	6±	10-11... 11	1830+	H	"Neat" (See p. 1068)
3502	Arg. 15	O. Arg. 8. 5344	31 7	—24 2	240±	30±	7½... 8½	1875+	β	
3503	Sh 73	α Canis Majoris	31 8	—18 34	259.9	17.24	6½... 8	1821.22	Sh 1	White: bluish
3504	β 755	Argus 34	31 14	—36 41	250±	1±	6.0... 7.5	1879.79	β	A and B }
					295±	20±	... 13	1837.9	H	AB and C }
3505	Howe 13	....	31 18:	—16 2:	300.3	11.19	8.0... 9.0	1876.79	Cin 1	
3506	Weisse 13	W ¹ VI ^b . 862	31 19	42 21	....	....	9 ...	....	....
3507	OΞ 151 rej.	L 12687	31 21	27 54	137.6	29.26	6.8... 9.7	1867.91	A 3	6.8 white
3508	S 528	W ¹ VI ^b . 883	31 29	31 42	25.9	80.7:	8 ... 11	1825.17	S 2	
3509	H 40	SD (5°) 1713	31 38	— 5 33	90±	30±	11 ... 12	1820+	H	
3510	H 3876	L 12755	31 38	—22 31	338.5	15±	8 ... 12	1837.1	H	
3511	Hn 80	SD (14°) 1511	31 41	—14 9	131.9	4.29	9.0... 9.0	1888.15	Com 3	
3512	Σ 944	DM (48°) 1411	31 44	48 22	53.3	6.60	8.0... 10.0	1829.59	Z 3	8.0 wh.
3513	Hu 563	DM (48°) 1412	31 44	48 18	329.9	0.74	9.0... 10.5	1902.71	Hu 3	(Bul. L. O. No. 27)
3514	H 2326	....	31 44	20 3	90.0	6±	10 ... 11	1830+	H	
3515	Σ 945	DM (41°) 1484	31 55	41 5	249.0	1.06	7.1... 8.0	1830.77	Z 6	White
3516	H 2325	DM (59°) 1006	31 57	59 49	135±	20±	9 ... 14	1830+	H	8.3 m. in DM.
3517	A. G. 117	A. G. Lund 3425	31 58	39 26	117.6	8.98	8.7... 9.1	1902.80	β 2	
3518	OΞ 152	54 Aurigae	31 59	28 22	40.2	0.86	6.0... 7.8	1850.05	OΞ 5	Bluish wh.: wh.
3519	H 735	DM (35°) 1462	32 6	35 32	80±	3±	9 ... 11	1820+	H	"Very elegant, ruddy"
3520	A 509	SD (8°) 1499	32 7	— 8 41	139.4	1.38	7.5... 10.0	1903.86	A 3	A and B } (Bul. L. O.
					72.6	8.96	... 14.5	1903.86	A 2	A and C } No. 50)
3521	H Σ	DM (9°) 1322	32 35	9 45	272.6	0.66	7.8... 7.8	1894.13	H Σ 3	
3522	Howe 14	SD (13°) 1580	32 38	—14 0	34.0	9.48	8.2... 11.2	1879.14	Cin 2	
3523	Comstock	SD (13°) 1584	32 48	—13 43	268.7	6.87	9 ... 11	1888.14	Com 1	
3524	A. G. 118	A. G. Alb. 2325	32 52	2 26	307.3	34.80	8.5... 9.5	1903.08	Cg 3	
3525	H 2327	....	32 57	—10 21	52.3	7±	10 ... 11	1830+	H	
3526	β 571	W ¹ VI ^b . 956	33 2	13 5	316.2	2.73	6.0... 12.0	1877.95	β 1	
3527	Σ 947	DM (19°) 1433	33 19	19 32	176.8	18.48	8.5... 11.2	1830.20	Z 3	8.5 yel.
3528	H 3877	SD (22°) 1483	33 24	—22 56	351.1	12±	9 ... 9	1835.1	H	
3529	H 2329	....	33 26	3 40	83.3	10±	10-11... 11	1830+	H	
3530	H 737	SD (6°) 1653	33 30	— 6 8	240±	15±	9 .. 11	1820+	H	
3531	Hu 81	SD (13°) 1587	33 31	—13 56	187.0	4.10	8.8... 11.0	1888.39	Com 2	
3532	H 397	W ¹ VI ^b . 961	33 47	28 19	30±	25±	8 ... 19	1820+	H	A and B }
					50±	40±	... 13	1820+	H	A and C }
3533	Barnard 5	DM (58°) 960	33 49	58 3	194.7	85.64	9.0...	1898.67	Bar 2	A and BC }
					316.1	0.77	11.0... 11.2	1898.26	Bar 1	B and C }
3534	Σ 951	W ¹ VI ^b . 978	33 51	9 56	308.9	21.35	8.5... 10.7	1830.70	Z 4	A and B }
					229.2	11.56	... 12	1878.16	β 1	B and C }
3535	O. Stone 14	SD (7°) 1509	33 51	— 7 56	226.8	0.9±	8.6... 9.2	1878.05	Cin 1	
3536	Ho 236	W ¹ VI ^b . 981	33 55	20 45	202.5	17.34	7.2... 13	1890.11	Ho 2	
3537	Hn 44	SD (11°) 1577	33 57	—11 36	146.1	2.28	8.5... 13.2	1900.06	Hu 2	(A. J. 480)
3538	Hd 83	6 34 :	—20 25:	190±	18±	1881.20	Hd	

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Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
3539	H 2331	DM (3°) 1348	6 ^h 34 ^m 0 ^s	3° 39'	290° ±	15" ±	7-8...17	1830+	H	A and B } "B est. from diagram"
					51.6	30 ±	...14	1830+	H	A and C }
3540	H 2334	....	34 12	-28 40	286.1	3 ±	11 ...11-12	1830+	H	
3541	Σ 946	P VI ^b . 174	34 15	59 34	133.5	4.20	7.2... 9.0	1830.58	Z 3	White: blue
3542	Σ 950	15 Monocerotis	34 22	10 0	208.6	2.76	6.0... 8.8	1831.80	Z 5	A and B }
					12.9	16.58	...11.2	1831.53	Z 3	A and C }
					307.1	40.	...11	1841.23	Da 1	A and D }
					139.2	74.21	... 9.1	1874.42	d 2	A and E }
					221.4	155.78	... 9.0	1874.42	d 2	A and F }
					261.9	39.35	... 9.5	1873.81	d 2	F and G }
3543	Δ 11	DM (10°) 1223	34 26	10 1	45.9	3.65	9.1... 9.2	1869.76	d 3	A and B }
					221.3	40.63	... 9.2	1873.94	d 2	A and C }
3544	H 2333	SD (4°) 1612	34 26	- 4 57	189.8	3 ±	11 ...11-12	1830+	H	
3545	Σ 949	W ¹ VI ^b . 1000	34 30	5 49	287.7	3.40	8.5... 9.0	1831.88	Z 3	White
3546	Σ 954	DM (9°) 1344	34 34	9 35	153.5	12.72	7.7...10.2	1829.88	Z 3	7.7 white
3547	Σ 952	DM (10°) 1227	34 34	10 0	295.2	13.55	9.0... 9.0	1829.21	Z 2	
3548	Σ 953	W ¹ VI ^b . 1001	34 36	9 6	330.9	7.09	7.5... 8.0	1832.19	Z 3	Yellow: bluish
3549	Σ 3117	DM (9°) 1349	34 46	9 51	93.2	0.60	8.9... 9.4	1832.70	Z 4	
3550	OE 153 <i>rej.</i>	L 12816	34 48	25 35	70.8	9.99	7 ... 9-10	1843.24	Ma 2	
3551	H 2330	....	34 51	48 55	221.6	4 ±	11 = 11	1830+	H	
3552	Σ 3118	DM (9°) 1351	34 53	9 56	174.8	2.43	9.0... 9.5	1831.20	Z 3	
3553	H 2335	DM (1°) 1458	34 56	1 18	101.1	10 ±	9-10...13	1830+	H	
3554	Δ 218	DM (30°) 1303	34 56	30 48	246.8	0.17	8.3... 8.4	1901.83	A 4	
3555	H 2328	O. Arg. B. 7153	35 1	52 53	175.9	40 ±	8-9...10-11	1830+	H	
3556	Ku 27	DM (14°) 1396	35 21	14 58	185.8	7.06	9.5... 9.8	1901.63	Ku 2	Kustner (382)
3557	Σ 955	SD (7°) 1524	35 24	- 7 53	272.6	0.88	8.7... 9.0	1830.65	Z 2	A and B }
					188.4	11.44	... 8.5	1831.41	Z 4	AB and C } White
3558	Δ 325	SD (3°) 1553	35 32	- 3 52	77.8	1.47	8.0...11.0	1902.83	A 2	(Bul. L. O. No. 99)
3559	Σ 948	12 Lynx	35 38	59 34	153.7	1.53	5.2... 6.1	1831.10	Z 5	A and B } AB
					304.2	8.67	... 7.4	1831.10	Z 5	A and C } gr. wh.: C bluish
3560	Ho 237	Schj. 2327	35 47	3 22	150 ±	0.3 ±	7.5... 7.5	1887.14	Ho 2	
3561	H 2337	L 12895	35 49	-11 12	100.2	15 ±	8 ...12	1830+	H	
3562	OE 154	L 12831	35 53	40 45	136.6	30.40	6.7... 8.4	1846.76	OE 2	Yellow: blue
3563	Δ 510	....	35 58	28 1	76.8	0.56	9.5...11.7	1903.89	A 2	
3564	H 41	....	36 0:	- 6 28:	225 ±	20 ±	....	1820+	H	
3565	III. 114	....	36 18:	9 51:	....	....	....	1784.	H	
3566	Hu 564	DM (49°) 1540	36 19	49 31	103.8	0.16	9.0... 9.0	1902.72	Hu 2	(Bul. L. O. No. 97)
3567	Σ 956	DM (1°) 1472	36 27	1 50	188.8	4.56	8.0...11.0	1830.86	Z 3	A and B }
					154.7	34.95	... 8.7	1830.86	Z 3	A and C } 8.0 yellow
3568	S 533	e Geminorum	36 33	25 15	93.7	111.58	4 ...10	1825.04	S 2	
3569	β 19	L 12936	36 36	-15 53	165.0	3.52	6.7... 9.0	1876.26	d 3	
3570	Hu 45	SD (12°) 1591	36 43	-12 32	176.6	0.50	9.0... 9.5	1900.03	Hu 1	(A. J. 480)
3571	H 2336	DM (51°) 1231	36 43	51 57	152.0	25 ±	9 ...11-12	1830+	H	8.2 m. in DM
3572	Δ 511	A. G. Camb. 3463	36 46	28 29	146.0	1.12	9.0...10.0	1902.96	A 2	(Bul. L. O. No. 90)
3573	Hu 46	SD (12°) 1593	36 47	-12 11	153.4	2.47	9.1...10.2	1900.08	Hu 2	(A. J. 480)
3574	Hd 84	....	37 :	-21 35:	300 ±	2 ±	....	1869.09	Hd	
3575	Lamont 3	30 Geminorum	37 13	13 21	185.1	32.01	6 ...12.5	1836.24	L 3	
3576	Δ 219	DM (23°) 1480	37 20	23 34	76.8	1.50	8.5... 9.0	1902.19	Cg 3	
3577	A 219	A. G. Camb. 3467	37 22	30 13	316.3	2.02	9.2... 9.6	1901.87	A 3	
3578	Hd 85	....	37 22	-20 30	232.9	4.18	9 ...11	1870.12	Hd 1	
3579	β 195	O. Arg. B. 5539	37 26	-23 7	217.6	6.05	7.0...11.0	1877.13	Cin 1	A and B }
					178.4	35.04	...12.0	1892.15	Lv 1	A and C }
3580	Σ 957	DM (30°) 1318	37 27	30 57	95.6	3.42	7.5... 9.0	1831.55	Z 3	White: ash
3581	H. C. Wilson 4	Ord. DM (23°) 4239	37 27	-23 7	350.6	14.98	8.0... 8.5	1882.09	W 2	
3582	S 534	L 12973	37 43	-22 19	143.2	18.25	8 ...10	1825.20	S 2	
3583	Δ 122	A. G. Camb. 3471	6 37 50	29 29	30.0	0.43	8.2... 8.6	1900.93	A 2	

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Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
3584	OE 155	L 12941	6 ^h 38 ^m 2 ^s	24° 48'	262° 1'	14.91	7.0... 9.9	1854.48	OE 4	
3585	Sh 75	56 Aurigae	38 5	43 42	17.1	55.38	6 ... 9	1823.20	Sh 1	White; blue
3586	Z 959	DM (13°) 1392	38 10	13 53	175.5	11.64	8.7... 9.0	1828.19	Z 3	White
3587	Z 958	O. Arg. 8. 7206	38 11	55 50	256.7	5.07	6.0... 6.0	1830.91	Z 3	White
3588	H 3284	....	38 28	36 19	89.0	3±	12 ... 12	1831+	H	
3589	A. G. 120	A. G. Ab. 2381	38 31	3 48	50±	6±	8.1... 10.0	....	....
3590	H 2338	DM (56°) 1154	38 43	56 5	257.2	15±	9 ... 11-12	1830+	H	
3591	A. G. 121	A. G. Ab. 2390	39 16	5 1	21.2	24.73	9.1... 10.2	1903.07	M 3	
3592	A 57	SD (3°) 1576	39 19	- 3 51	235.7	0.97	8.8... 12.5	1900.18	A 3	A and B }
					320.3	4.98	... 14.5	1900.20	A 2	A and C }
3593	Ho 238	W ² V ¹ . 1169	39 20	18 20	185.8	0.45	8.5... 8.5	1887.21	Ho 1	
3594	H 738	....	39 52	-10 40	30±	5±	10 ... 11	1820+	H	
3595	H 1158	....	39 53	-10 47	140±	8±	12 ... 12	1820+	H	
3596	A. G. Clark 1	a Canis Majoris (Sirius)	39 53	-16 33	84.6	10.07	....	1862.19	Bd 3	
3597	Hd 86	....	40 :	-19 1:	7±	9 ... 11	....	1869.08	Hd	
3598	Hd 87	....	40 :	-20 35	87.1	7.92	10 ... 11	1867.08	Hd 1	
3599	Hd 88	....	40 :	-20 40:	100±	....	....	1867.08	Hd	"Close; doubtful"
3600	Z 960	P V ¹ . 215	40 1	53 10	66.4	21.93	7.3... 9.2	1829.21	Z 3	7.3 white
3601	OE 156	L 13021	40 23	18 19	342.5	0.42	6.5... 7.0	1844.99	OE 4	White
3602	Z 967 rej.	SD (5°) 1797	40 25	- 6 0	191.5	11.5	8.0... 12	1832.2	Z	
3603	Ho 516	Lac. 2434	40 27	-30 28	223.1	4.35	7 ... 11	1898.15	Ho 2	
3604	Z 965	W ² V ¹ . 1187	40 36	11 3	351.8	5.49	8.3... 10.3	1829.86	Z 3	A and B }
					322.2	14.35	... 13	1879.16	β 2	A and C }
					70.9	47.02	... 8.7	1829.86	Z 3	A and D }
3605	H 42	....	40 41:	- 6 17:	50±	30±	9 ... 11	1820+	H	Probably SD(6°) 2730
3606	Z 962	DM (26°) 1358	40 42	26 50	241.2	25.72	8.5... 8.5	1830.24	Z 3	White
3607	H II. 71	....	40 55:	41 12:	45.4	....	....	1783.29	H 1	A and B }
					....	17.68	....	1783.21	H 1	C and D }
3608	H 3891	B. A. G. 2219	40 57	-30 49	220.0	5.0	6 ... 10	1838.0	H	
3609	O. Stone 15	....	41 :	-20 35:	143.2	2.75	9.0... 9.0	1876.01	Cin 1	
3610	Hd 89	....	41 :	-20 40:	8	6±	9 ... 10	1870.11	Hd	
3611	β 756	DM (39°) 1754	41 7	39 36	....	....	....	....	....
3612	Espin 15	DM (46°) 1192	41 10	46 19	274.0	27.20	6.8... 10.2	1899.11	Es 2	(A. N. 3717)
3613	H 2340	....	41 13	-29 13	0.0	6±	10 ... 11	1830+	H	
3614	Howe 15	....	41 20:	-20 23:	212.4	14.35	9.0... 10.0	1876.01	Cin 1	
3615	OE 157	L 13080	41 38	0 28	7.5	0.71	7.5... 8.0	1847.74	OE 2	White
3616	Z 964	DM (43°) 1604	41 42	43 53	195.5	1.69	8.3... 9.0	1831.29	Z 3	White
3617	Howe 16	....	41 50:	-20 30:	189.8	2.3±	9.0... 11.0	1876.01	Cin 1	
3618	Z 966	DM (40°) 1729	41 51	40 5	112.3	5.11	8.2... 10.2	1831.91	Z 3	8.2 yel' sh
3619	H 2341	O. Arg. 8. 5667	41 52	-20 33	86.4	45±	8-9... 9-10	1830+	H	"In a fine cluster"
3620	Hd 90	....	42 :	-22 3:	....	....	....	1881.20	Hd	No description
3621	H 2343	Cond. DM (29°) 3458	42 4	-29 7	91.0	25±	9-10... 11	1830+	H	
3622	Z 970	SD (11°) 1636	42 12	-11 36	128.6	20.08	8.5... 9.0	1830.52	Z 3	
3623	A. G. 122	DM (8°) 1509	42 19	8 51	217.3	2.75	10.0... 10.5	1894.14	Lp	
3624	Z 969	W ² V ¹ . 1254	42 19	-10 58	316.3	6.62	7.2... 10.2	1830.84	Z 3	7.2 white
3625	Z 963	14 Lyncis	42 30	59 35	51.5	0.90	5.9... 7.1	1830.88	Z 7	Gold; purple
3626	A 58	SD (3°) 1603	42 39	- 3 58	146.8	4.10	7.6... 8.3	1900.14	A 3	
3627	Espin 67	DM (40°) 1734	42 49	40 38	309.7	6.2	8.2... 9.3	1901	Es	(A. N. 3784)
3628	Z 971	SD (13°) 1660	42 50	-13 18	331.0	1.85	8.2... 8.5	1829.86	Z 3	
3629	Z 972 rej.	SD (15°) 1519	42 57	-15 12	....	III-IV	8-9... 8-9	....	Z	From Cat. Nov.
3630	Ho 239	W ² V ¹ . 1267	43 8	14 50	132.9	0.36	8.0... 8.5	1887.21	Ho 1	A and B }
					336.4	36.10	... 11	1887.10	Ho 1	AB and C }
3631	H 43	....	43 11:	- 6 17:	275±	20±	....	1820+	H	
3632	H 44	....	43 17:	- 6 20:	90±	15±	12 ... 13	1820+	H	
3633	Z 968	L 13052	43 17	52 50	287.3	20.56	8.0... 9.0	1830.22	Z 2	White
3634	H 2344	SD (9°) 1660	6 43 18	- 9 27	242.5	10±	10 ... 11	1830+	H	

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Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
3635	β 20	L 13170	6 ^h 43 ^m 25 ^s	-16° 4'	29° 8'	3.20	7.7...11.1	1876.42	d 4	
3636	A. Clark 4	Canis Majoris 89	43 32	-15 1	286.5	1±	6½... 9	1858.1	J 2	
3637	Espin 68	DM (40°) 1738	43 42	40 33	75.0	8.7	8.0...10.0	1901	Es	(A. N. 3784)
3638	Espin 69	DM (51°) 1365	43 48	51 46	132.4	5.1	9.2...10.2	1901	Es	(A. N. 3784)
3639	H 2342	O. Arg. W. 7293	43 53	49 40	43.5	18±	9 ...14	1830+	H	} "Triple"
					74.4	25±	...14	1830+	H	
3640	H 2345	....	43 57	19 23	116.4	8±	11 ...11	1830+	H	
3641	OΞ 158 <i>rej.</i>	Rnd ^r . 1823	44 0	51 40	304.3	16.82	7.0...11.3	1868.33	d 3	7.0 <i>gal.</i>
3642	Hu 615	DM (49°) 1557	44 5	49 25	319.8	1.58	9.0...12.0	1902.99	Hu 2	
3643	H 2339	DM (71°) 372	44 7	71 4	143.7	16±	9 ...13	1830+	H	
3644	A 59	SD (5°) 1820	44 15	-5 42	147.5	4.37	8.4...12.5	1900.14	A 3	(A. N. 3668)
3645	A 60	SD (2°) 1784	44 16	-2 56	128.8	0.97	9.0... 9.5	1900.16	A 3	(A. N. 3668)
3646	Σ 976	W ^r VI ^b . 1307	44 20	18 48	117.6	35.71	8.0... 8.8	1829.90	Z 3	
3647	β 1193	36 Geminorum	44 21	21 54	355.0	10.81	5.7...14.5	1890.90	β 3	
3648	A 512	A. G. Camb. 3544	44 22	25 11	142.4	0.26	9.0... 9.3	1903.89	A 2	(Bul. L. O. No. 50)
3649	S 538	Lac. 2461	44 39	-24 0	3.3	27.81	8 ... 9	1825.14	S 2	
3650	β 897	Monocerotis 97	44 42	-0 23	30.9	5.60	6.5...12.0	1879.14	β 3	
3651	Ho 26	W ^r VI ^b . 1319	44 44	20 28	200.8	5.06	8.5...12.0	1882.74	Ho 2	
3652	β 324	Lac. 2462	44 45	-23 56	202.5	1.88	7.0... 8.0	1877.11	Cin 2	A and B } AB and C } AB and D }
					281.9	30.30	...11	1825.16	S 3	
					2.4	30.27	...13	1898.14	Doo 3	
3653	Σ 974	59 Aurigae	44 46	39 1	222.6	22.26	6.7...10.0	1831.11	Z 3	6.7 <i>gal. sh</i>
3654	H 3285	....	44 47	38 17	251.9	10±	10 ...11	1831+	H	
3655	A. G. 123	A. G. Alb. 2449	44 47	2 0	263.6	2.43	8.8...10.2	1903.09	Cg 3	
3656	H 399	....	44 47	-3 7	40±	3±	12 = 12	1820+	H	"Points to a star <i>sp</i> "
3657	H 2347	DM (5°) 1444	44 58	5 42	16.9	18±	9-10 = 9-10	1830+	H	
3658	Hd 91	....	45 :	-20 45:	348.5	9.90	9 ...10.5	1867.08	Hd 1	
3659	β 898	O. Arg. S. 5753	45 0	-15 53	356.2	2.95	7.8...11.3	1879.75	β 5	A and B } C and D } A and C }
					171.7	1.54	9.8...10.6	1879.52	β 3	
					283.1	96.50	....	1879.69	β 2	
3660	H 2349	....	45 16	-10 0	270±	10±	10 ...13	1830+	H	"P est. from diagram"
3661	Hn 82	SD (11°) 1660	45 18	-11 38	222.8	1.70	9.3...10.4	1888.41	Com 3	
3662	A 513	A. G. Camb. 3561	45 23	25 7	345.0	0.42	8.7... 8.8	1903.89	A 2	(Bul. L. O. No. 50)
3663	H 741	SD (9°) 1680	45 31	-9 58	225±	15±	8 ...14	1820+	H	
3664	H 739	DM (28°) 1266	45 32	28 51	310±	9±	9 ...12	1820+	H	
3665	Hn 83	SD (11°) 1661	45 36	-11 17	166.0	3.11	9.7... 9.7	1888.41	Com 3	
3666	H 740	DM (0°) 1660	45 38	0 36	13±	20±	8-9...10	1820+	H	
3667	H 2346	....	45 58	52 15	326.2	15±	10 ...13	1830+	H	
3668	Hu 616	DM (33°) 1427	46 12	33 50	304.6	0.18	9.1... 9.5	1902.76	Hu 2	
3669	Innes 182	Yar. 2774	46 15	-28 35	141.4	0.74	8.4... 9.2	1901.13	I 1	
3670	Σ 977	DM (48°) 1450	46 20	48 43	128.7	1.70	8.0... 9.5	1831.93	Z 3	8.0 <i>white</i>
3671	Σ 975 <i>rej.</i>	DM (65°) 550	46 20	65 26	....	CL III	7-8...11	....	Z	From Cat. Nov.
3672	Innes 431	Yar. 2777	46 23	-28 36	321.5	0.37	....	1902.22	I 1	A and B } AB and C }
					161.0	8±	9 = 9	1835.1	H	
3673	H 401	DM (23°) 1527	46 24	23 41	225±	12-15	9 ...11	1820+	H	
3674	H 2348	....	46 25	52 14	207±	25±	10 ...10+	1830+	H	
3675	H 400	....	46 27	28 12	285±	8-10	10 = 10	1820+	H	
3676	H 402	....	46 39	23 44	235±	10±	10 = 10	1820+	H	
3677	Arg. 16	O. Arg. S. 5806	46 49	-18 30	170±	25±	8½...10	....	β	
3678	OΞ 159	15 Lyncis	46 54	58 35	323.4	0.53	5.1... 6.2	1844.04	OΞ 4	A and B } AB and C }
					342.0	23.58	...13.0	1878.50	β 2	
3679	β 325	O Arg. S. 5814	46 59	-26 26	32.1	2.05	8.0... 9.0	1877.11	Cin 1	
3680	Hd 92	....	47 :	-19 1:	<i>mf</i>	8±	9 ...10	1869.08	Hd	
3681	OΞ 160	L 13275	47 12	21 19	167.1	1.26	6.8... 9.8	1848.23	OΞ 3	
3682	H 2351	47 16	18 8	167.8	7±	10-11...11-12	1830+	H	
3683	H 2352	6 47 17	0 41	21.6	20±	9 ...10	1830+	H	

Within 121° of the North Pole

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Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
3684	H 2350	DM (54°) 1089	6 ^h 47 ^m 18 ^s	54° 47'	224° 5	10.1 ±	9-10...10-11	1830+	H	
3685	Σ 978	Telescopii 30	47 22	38 3	98.9	14.78	7.0... 9.8	1831.10	Σ 3	7.0 very yel.
3686	A 220	DM (31°) 1440	47 31	31 56	53.6	0.62	9.1...12.0	1901.88	A 2	
3687	OE (App) 79	W ¹ VI ^b . 1410	47 39	6 50	89.1	116.14	6.8... 7.3	1875.62	Δ 3	
3688	Σ 979	O. Arg. N. 7370	47 43	46 42	209.7	7.45	8.0... 8.8	1830.92	Σ 3	Very white
3689	Σ 981	W ² VI ^b . 1391	47 46	30 19	149.3	3.67	8.0... 8.0	1831.26	Σ 3	White
3690	OE 161 rej.	L 13296	47 46	21 43	172.0	19.65	6.5...10.8	1868.08	Δ 3	6.5 yel.
3691	H 2353	....	47 49	- 5 25	163.1	18 ±	9-10...11	1830+	H	
3692	Σ 982	38 Geminorum	47 52	13 20	174.9	5.73	5.4... 7.7	1829.24	Σ 5	Yel'sh: bluish
3693	Σ 985 rej.	SD (4°) 1714	47 59	- 4 15	....	Cl. IV	8 ... 9	....	Σ	B=SD (4°) 1713
3694	Σ 973	O. Arg. N. 7336	48 6	75 24	26.7	11.93	6.6... 7.6	1831.84	Σ 4	White
3695	See 71	O. Arg. S. 5848	48 11	-26 49	100.5	10.64	6 ...14.7	1897.84	See 1	
3696	Σ 988	W ¹ VI ^b . 1441	48 15	- 9 53	264.4	33.06	8.6... 8.9	1831.41	Σ 4	
3697	Σ 987	L 13341	48 16	- 5 42	163.5	1.13	7.7... 7.8	1831.49	Σ 3	White
3698	Σ 983	DM (34°) 1495	48 17	34 37	36.6	11.85	7.7...11.7	1830.76	Σ 2	7.7 yel.
3699	A. G. 124	A. G. Alb. 2495	48 19	2 46	207.3	6.98	8.6...10.3	1903.14	M 3	
3700	Σ 986	DM (9°) 1432	48 19	9 39	167.2	5.20	8.3... 8.8	1828.20	Σ 3	Very wh.
3701	Σ 984	DM (32°) 1442	48 25	32 36	167.1	6.02	8.1...10.0	1831.95	Σ 4	8.1 yel'sh wh.
3702	Σ 989	DM (3°) 1456	48 29	3 42	213.0	8.26	8.8... 9.7	1831.54	Σ 3	A and B }
					67.4	15.22	...11.5	1831.54	Σ 3	A and C }
3703	H 45	....	48 35:	- 6 15:	85 ±	10 ±	10 ...12	1820+	H	
3704	A 61	SD (4°) 1721	48 37	- 4 33	269.5	2.59	9.1...10.4	1900.15	A 3	(A. N. 3668)
3705	Σ 990	SD (14°) 1633	48 51	-14 6	274.9	3.27	8.7... 9.3	1831.20	Σ 3	White
3706	H 742	DM (29°) 1407	48 57	29 8	5 ±	6 ±	9 ...10	1820+	H	
3707	Ho 27	DM (20°) 1633	48 58	20 15	126.2	3.01	9 ... 9	1882.23	Ho 2	
3708	A. G. 125	A. G. Alb. 2500	49 11	2 44	251.0	14.48	8.9...10.3	1903.14	Cg 3	
3709	H 743	....	49 31	- 6 40	230 ±	5 ±	11 ...12	1820+	H	
3710	Σ 991	DM (25°) 1509	49 40	25 7	172.4	3.79	8.0... 9.0	1830.54	Σ 3	Very wh.: bluish
3711	Σ 995	W ¹ VI ^b . 1469	49 40	11 11	292.5	21.57	8.7... 9.2	1828.19	Σ 2	
3712	A. G. 126	A. G. Lund 3603	49 45	39 34	76.0	4.04	9.0... 9.2	1902.80	β 2	
3713	S 540	17 Canis Majoris	49 52	-20 15	147.9	45.03	6 ...10	1825.04	S 2	A and B }
					184.3	52.96	...12	1825.04	S 2	A and C }
					185.3	128.36	...15	1825.04	S 2	A and D }
3714	Σ 992	SD (9°) 1733	49 55	- 9 20	298.3	13.68	8.0... 9.5	1830.16	Σ 2	8.0 yel'sh
3715	β 326	L 13404	49 57	2 28	62.8	1.25	8.0... 9.5	1876.83	Δ 2	
3716	H 404	....	49 58	27 29	80 ±	8 ±	11 = 11	1820+	H	
3717	Ho 28	....	50 0	27 8	256.8	5.37	9.5... 9.5	1886.22	Ho 1	
3718	A. G. 127	A. G. Alb. 2508	50 5	3 21	....	....	8.6...	....	....
3719	Σ 993 rej.	W ¹ VI ^b . 1502	50 7	-11 42	....	Cl. IV	8 ... 8	....	Σ	
3720	H 745	DM (-1°) 1463	50 12	- 1 5	305 ±	7 ±	9 ...10	1820+	H	"Neat double star"
3721	H N. 123	19 Canis Majoris	50 25	-19 59	360.0	Cl. II	....	1799.08	Hl 1	
3722	See 72	O. Arg. S. 5901	50 27	-21 53	39.0	13.63	7 ...12.3	1897.83	See 1	
3723	Σ 980	DM (72°) 345	50 27	72 50	184.5	3.26	8.6...10.1	1832.50	Σ 5	8.6 white
3724	A. G. 128	DM (21°) 1445	50 30	21 10	....	....	9.3...	....	....
3725	Σ 997	μ Canis Majoris	50 36	-13 53	343.5	3.22	4.7... 8.0	1831.20	Σ 3	Yel.: blue
3726	Kr 29	DM (57°) 1025	50 50	57 1	357.1	6.37	9.0... 9.1	1891.21	β 1	
3727	O. Stone 16	O. Arg. S. 5917	50 58	-25 22	97.6	3.80	7.5...11.0	1877.11	Cin 2	
3728	Σ 998	SD (5°) 1881	50 59	- 5 19	205.5	3.14	8.2... 8.5	1831.49	Σ 3	White
3729	Σ 999 rej.	....	51 :	- 8 52:	....	Cl. IV	8 ...10	....	Σ	From Cat. Nov.
3730	H 46	....	51 :	- 6 0:	97 ±	6 ±	9 ...15	1820+	H	
3731	OE (App) 80	L 13439	51 18	14 23	53.0	124.35	7.0... 7.2	1876.36	Δ 3	A and B }
					111.5	....	... 8.0	1876.36	Δ 3	A and C }
					192.5	....	....	1876.36	Δ 3	B and C }
3732	Σ 994	Telescopii 36	51 21	37 16	56.8	25.57	7.2... 7.5	1831.40	Σ 4	Very wh.
3733	S 541	O. Arg. S. 5922	6 51 30	-22 29	43.1	24.10	8 ... 9	1825.16	S 2	A and B }
					122.2	....	...10	1825.16	S 1	A and C }

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
3734	A 514	SD (9°) 1745	6 ^h 51 ^m 38 ^s	- 9° 56'	96° 0	1' 35	9.0... 9.2	1903.86	A 2	(<i>Bul. L. O. No. 50</i>)
3735	Z 996	W ² Vt ^h . 1497	51 39	43 9	166.8	9.32	8.0... 9.8	1830.59	Z 3	A and B } 8.0 <i>gold</i>
					310.2	17.16	...10.3	1830.59	Z 3	A and C } <i>wh.</i>
3736	H ₀ 517	SD (19°) 1622	51 47	-19 17	330±	3±	7 ...13	1890.07	H ₀	(<i>A. N. 3357</i>)
3737	H 2354	....	51 52	52 14	85.1	3±	10-11.14	1830+	H	"Delicate"
3738	H 2356	....	51 54	-29 15	81.9	10±	9 ...10	1830+	H	
3739	Z 1000	DM (25°) 1524	51 59	25 24	66.9	22.40	7.7... 8.7	1829.74	Z 2	<i>White</i>
3740	Hd 93	....	51 59	-19 37	*	8±	9 ... 9	....	Hd	
3741	Innes 432	....	52 :	-28 35	213.2	1.65	....	1902.22	I 1	(<i>M. N. LXIV 135</i>)
3742	H 3902	....	52 8	-18 12	49±	10±	10 ...10	1834+	H	
3743	β 899	W ² Vt ^h . 1526	52 9	18 53	261.4	0.68	9.0... 9.0	1879.14	β 1	A and B }
					174.2	24.07	...10	1879.14	β 2	AB and C }
					48.1	40.46	... 9	1879.14	β 2	AB and D }
3744	A 326	SD (4°) 1751	52 23	- 4 30	137.0	2.79	9.2... 9.4	1902.83	A 2	A and B } (<i>Bul. L. O. No. 50</i>)
					75.1	7.83	...13.0	1902.79	A 1	B and C }
3745	H 405	....	52 25	22 4	220±	6±	10 ...10+	1820+	H	
3746	β 327	L 13492	52 28	- 2 52	100.8	0.96	7.5... 8.0	1876.83	β 2	A and B }
					102.6	13.22	...11.5	1876.83	β 2	AB and C }
3747	β 1060	L 13491	52 38	3 46	58.3	3.01	7.0...12.0	1889.15	β 2	
3748	H 406	DM (27°) 1291	52 40	27 56	195±	10±	9 ...10	1820±	H	
3749	A 515	SD (9°) 1761	52 44	-10 2	306.1	1.56	8.2... 9.5	1903.86	A 2	(<i>Bul. L. O. No. 50</i>)
3750	Z 1003	SD (8°) 1652	52 50	- 9 0	320.3	3.85	9.0... 9.2	1831.17	Z 3	
3751	Z 1004	SD (11°) 1714	52 50	-11 16	87.5	18.43	7.7... 9.2	1830.16	Z 2	7.7 <i>very wh.</i>
3752	OZ 162 <i>rej.</i>	41 <i>Geminorum</i>	52 57	16 6	164.9	13.5?	7 ...10	1843.3	Ma 1	
3753	A. G. 129	A. G. Liden 2917	52 59	32 6	23.0	6.05	9.1... 9.5	1902.77	β 2	
3754	H 407	....	53 1	35 33	165±	3±	11 ...12	1820+	H	Decl. corrected in H (VII)
3755	β 1022	W ² Vt ^h . 1557	53 15	27 26	133.8	0.48	8.5... 8.5	1899.02	β 1	A and B }
					196.3	31.35	...12.5	1899.02	β 1	AB and C }
3756	A. G. 130	A. G. Lund 3634	53 19	40 0	150.9	13.23	9.2... 9.3	1902.80	β 2	A and B }
					244.9	7.62	...11.6	1902.80	β 2	B and C }
3757	Z 1001	O. Arg. W. 7462	53 21	54 21	64.0	8.90	7.1... 8.7	1831.48	Z 5	A and B }
					354.8	1.65	... 9.0	1831.48	Z 5	B and C } 7.1 <i>golden</i>
3758	H 746	....	53 34	- 0 13	272±	2±	10 ...11	1820+	H	
3759	H 3287	W ² Vt ^h . 1615	53 47	0 7	82.2	15±	9-10 = 9-10	1831+	H	
3760	Z 1007 <i>rej.</i>	W ² Vt ^h . 1610	53 53	12 53	27.7	....	8-9 = 8-9	1831+	H	A and B }
					302.5	9±	...14	1831+	H	B and C }
					246.4	12±	...14	1831+	H	B and D }
3761	....	<i>ε Canis Majoris</i>	53 54	-28 48	161.2	7.48	2 ... 9.0	1850.10	....
3762	Z 1002	DM (56°) 1173	54 7	56 37	316.5	30.17	8.5... 9.0	1829.76	Z 2	
3763	Z 1008	DM (26°) 1431	54 10	26 45	270.2	2.38	8.0...10.0	1830.93	Z 3	8.0 <i>white</i>
3764	β 100	W ² Vt ^h . 1620	54 14	12 34	258.1	3.27	7.0...10.8	1875.36	β 3	
3765	A. G. 131	A. G. Alb. 2558	54 15	2 49	91.8	3.71	9.0... 9.3	1903.11	M 3	
3768	OZ 163	L 13550	54 28	11 57	320.7	0.57	7.2... 8.5	1848.57	OZ 3	A and B }
					158.5	14.18	...12	1879.03	β 1	AB and C } <i>white</i>
3769	Hn 111	SD (11°) 1728	54 29	-11 50	18.1	3.00	8.7... 8.7	1900.24	Hu 3	(<i>A. J. 485</i>)
3770	A. G. 132	A. G. Alb. 2566	54 49	3 13	269.4	6.67	8.3...10.8	1903.11	Cg 3	
3771	A 516	SD (6°) 1873	54 52	- 6 47	225.1	3.34	9.0...12.5	1903.22	A 2	(<i>Bul. L. O. No. 50</i>)
3772	See 73	Lac. 2558	54 56	-27 44	346.1	0.27	7.9... 8	1897.77	See 1	(<i>A. J. 431</i>)
3773	Hd 95	....	55 :	-19 45	138.8	9.90	9 ... 9	1869.09	Hd 1	A third star 15m.
3774	H 2355	O. Arg. W. 7464	55 0	72 8	245.2	50±	7-8...11	1830+	H	
3775	Z 1005 <i>rej.</i>	DM (63°) 686	55 9	63 1	....	Cl. IV	7 ... 9	....	Z	From <i>Cat. Nov.</i>
3776	See 74	L 13620	55 13	-21 57	230.4	13.77	6 ...14.7	1897.83	See 1	
3777	A 517	SD (2°) 1884	55 18	- 2 58	34.9	2.35	9.1...13.8	1903.07	A 3	(<i>Bul. L. O. No. 50</i>)
3778	A. G. 133	A. G. Alb. 2570	55 18	2 43	204.4	20.55	8.9...10.7	1903.15	M 3	
3779	H 408	DM (23°) 1578	55 20	23 32	60±	10±	9 ...11	1820+	H	"Points to a star at 40°"
3780	S 543	L 13625	6 55 24	-22 28	271.4	91.43	9 ... 9½	1825.16	S 2	

Within 121° of the North Pole

6h-7h

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
3781	β 572	L 13623	6h 55m 24s	-20° 28'	143° 9	5' 07	7.2... 11.0	1879.39	β 3	
3782	Σ 1011	Canis Majoris 124	55 24	-15 9	295.7	4.46	8.0... 8.5	1831.20	Z 3	White
3783	A 518	SD (2°) 1885	55 27	- 2 57	187.6	2.68	8.0... 15.5	1903.16	A 2	A and B } AC = Σ 1010
					4.5	23.68	7.8... 8.8	1833.84	Z 3	A and C }
3784	A 671	SD (8°) 1674	55 33	- 8 56	155.6	0.41	9.3... 9.3	1904.06	A 3	(Bul. L. O. No. 61)
3785	H 3288	W ^r V ^r . 1670	55 35	12 45	254.4	50±	8-9... 10	1831+	H	
3786	Hn 704	DM (34°) 1515	55 38	34 26	9.3	0.23	8.8... 9.5	1902.77	Hu 1	
3787	A. G. 134	DM (24°) 1508	55 38	24 38	21.3	1.48	9.0... 9.2	1902.68	M 4	A and B }
					355±	15±	9 ... 11	1820+	H	A and C }
3788	H 747	....	55 45	10 56	160±	10±	10 ... 10	1820+	H	
3789	Σ 1006	DM (62°) 902	55 47	62 43	71.6	30.59	7.0... 8.0	1831.61	Z 3	Yellowish: wh.
3790	Innes 183	Ord. 6 ^h 2870	55 54	-25 29	144.4	3.34	6.5... 9.8	1897.84	See 1	
3791	Hd 96	....	56 :	-21 21:	320±	7±	9 ... 9.5	1870.12	Hd	
3792	Ho 342	Schj. 2484	56 6	13 16	75.8	0.76	8.0... 8.8	1891.74	Ho 4	
3793	Σ 1009	P V ^r . 301	56 7	52 56	159.2	2.94	6.7... 6.8	1830.34	Z 5	Very wh.
3794	β 573	L 13642	56 11	-10 42	246.9	0.82	7.5... 8.0	1878.21	Δ 1	
3795	Hu 112	SD (11°) 1747	56 12	-11 8	191.0	0.55	7.5... 8.2	1900.25	Hu 3	(A. J. 485)
3796	H 3913	Ord. DM (28°) 3727	56 37	-28 53	128.7	6±	9½... 10	1835.1	H	
3797	Sh 77	ζ Geminorum	56 59	20 45	83.6	87.22	4 ... 10.5	1880.01	β 2	A and B }
					355.4	91.03	... 8	1821.22	Sh 1	A and C }
3798	H 3914	L 13687	57 7	-23 19	315.6	12±	7½... 13	1835.1	H	
3799	H 748	W ^r V ^r . 1737	57 12	- 8 10	170.4	3±	9 ... 13	1820+	H	A and B }
					0.5	12±	... 16	1820+	H	A and C }
3800	H 3916	....	57 12	-30 57	102.3	5±	10½ = 10½	1836.1	H	
3801	Skinner 3	SD (17°) 1742	57 17	-17 36	274.3	5.17	9.0...	1900.83	Boe 1	Boeger (A. J. 522)
3802	H 3917	....	57 17	-30 36	96.7	4±	9½... 10	1835.1	H	
3803	Σ 1012	DM (28°) 1305	57 22	28 18	167.4	12.74	8.2... 8.7	1829.27	Z 2	
3804	H 2358	SD (20°) 1687	57 26	-20 55	328.0	10±	9-10... 10	1830+	H	
3805	Hn 84	SD (8°) 1714	57 43	- 8 17	37.4	5.24	9.6... 9.7	1888.39	Com 3	
3806	H 3289	....	57 47	36 20	311.3	10±	10 ... 12	1831+	H	"In the field with Σ 1013"
3807	Σ 1013	DM (36°) 1562	57 51	36 14	35.1	4.84	8.2... 9.5	1831.53	Z 3	8.2 white
3808	A. G. 135	A. G. Lund 3677	58 1	38 26	29.4	3.90	9.4... 9.8	1902.80	β 2	
3809	Ho 241	DM (4°) 1567	58 2	4 45	182.7	8.82	8 ... 13	1887.24	Ho 1	
3810	Ho 29	DM (20°) 1694	58 6	20 11	158.5	3.43	9.5... 9.7	1883.32	Ho 1	
3811	OE (App) 82	L 13695	58 7	1 40	318.1	90.37	6.2... 7.2	1876.37	Δ 3	Δ (I)
3812	Hn 47	SD (13°) 1789	58 9	-13 31	307.3	1.51	9.1... 13.0	1900.08	Hu 1	(A. J. 480)
3813	H 2360	W ^r V ^r . 1767	58 17	6 6	155.2	20±	8-9... 11	1830+	H	
3814	Σ 1014	DM (26°) 1451	58 20	26 19	32.2	2.09	8.7... 8.7	1830.23	Z 3	White
3815	A 519	SD (2°) 1908	58 21	- 2 52	273.2	0.39	8.8... 9.0	1903.04	A 3	(Bul. L. O. No. 50)
3816	A. G. 136	A. G. Lund 3682	58 29	38 12	215.5	6.94	9.0... 9.2	1902.80	β 2	
3817	H 749	....	58 30	-11 8	125±	12±	11 ... 12	1820+	H	
3818	β 900	L 13688	58 33	21 11	272.6	1.58	8.2... 11.7	1880.20	β 2	
3819	Hn 454	DM (21°) 1504	58 34	21 52	217.8	2.00	9.1... 11.3	1902.09	Hu 3	(Bul. L. O. No. 21)
3820	H 2361	....	58 42	-29 37	128.4	15±	10 ... 10+	1830+	H	
3821	OE 164 rev.	L 13675	58 51	25 2	47.8	9.09	6-7... 10	1843.22	Ma 2	
3822	A. G. 137	A. G. Lelden 2967	58 56	34 19	65.6	33.51	9.5... 9.7	1902.80	β 2	
3823	Σ 1016	SD (11°) 1770	59 1	-11 21	152.4	5.15	7.9... 9.9	1831.68	Z 4	7.9 white
3824	Σ 1015	W ^r V ^r . 1804	59 2	- 5 36	195.6	4.92	8.7... 8.7	1831.52	Z 3	White
3825	H 2359	DM (58°) 1002	59 37	58 17	17.5	25±	9 ... 9-10	1830+	H	
3826	H 411	....	59 49	35 24	50±	4±	10 ... 11	1820+	H	
3827	Skinner 4	SD (16°) 1750	59 56	-16 27	338.1	4.37	9.0...	1900.83	Boe 1	Boeger (A. J. 522)
3828	H 3923	Ord. DM (29°) 3852	59 57	-29 31	197.8	12±	9 ... 10	1835.1	H	"A third 9m. sp."
3829	H 47	....	59 59:	- 6 1:	105±	10±	....	1820+	H	
					105±	25±	....	1820+	H	
3830	Hn 705	DM (33°) 1475	7 0 1	33 1	218.9	0.50	9.1... 9.8	1902.75	Hu 1	
3831	H 412	DM (24°) 1531	7 0 3	24 21	20±	35±	7 ... 17	1820+	H	"Large star red"

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Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
3832	Δ 12	<i>Canis Majoris</i> 136	7 ^h 0 ^m 10 ^s	-10° 29'	279° 5	6'.12	7.0...10.9	1870.19	Δ 4	A and B } 7.0 very wh.
					294.0	37.84	... 9.3	1830.16	Z	A and C } AC=2.1019
3833	H 750	....	0 13	- 2 7	282±	3±	9 ... 9+	1820+	H	
3834	Σ 1017	DM (17") 1495	0 14	17 1	254.0	12.21	8.5... 9.2	1828.87	Z 3	White
3835	Hu 48	SD (12") 1781	0 34	-12 46	150.2	2.67	8.5... 8.7	1900.10	Hu 2	(A. J. 480)
3836	Σ 1018	DM (36") 1569	0 50	36 5	16.9	9.76	8.5... 9.7	1830.77	Z 2	8.5 white
3837	H 751	Schj. 2528	0 50	9 24	5±	10±	8 ... 12	1820+	H	(See p. 1069)
3838	Hd 97	....	1 :	-19 2:	np	5±	9 ...	1869.08	Hd	"B very faint"
3839	β 328	<i>Canis Majoris</i> 139	1 3	-11 7	128.4	0.3	6.3... 7.5	1875.70	Δ 4	A and B }
					349.9	17.85	... 9	1879.13	β 1	AB and C }
3840	Σ 1023	W ⁺ VII ^b . 1824	1 11	25 11	101.8	24.67	8.0... 8.5	1831.25	Z 2	Yel'sh
3841	β 574	L 13821	1 18	-11 9	306.7	1.76	8.0... 12.0	1878.04	β 1	
3842	A 327	SD (5") 1970	1 18	- 5 32	332.8	4.68	9.0... 13.8	1902.92	A 2	(Bul. L. O. No. 99)
3843	Σ 1022	<i>Telescopii</i> 45	1 22	36 45	129.0	5.81	7.0... 10.2	1831.56	Z 3	7.0 very wh.
3844	O Σ 165	45 <i>Geminorum</i>	1 29	16 7	130.7	3.87	5.0... 10.7	1847.22	O Σ 2	
3845	Σ 1021	W ⁺ VII ^b . 1823	1 32	38 40	12.0	4.09	8.8... 9.7	1831.56	Z 3	8.8 white
3846	A 520	SD (7") 1749	1 37	- 7 26	15.6	2.84	9.0... 13.2	1903.22	A 2	(Bul. L. O. No. 90)
3847	Σ 1020	O. Arg. W. 7584	1 45	57 42	283.9	13.33	7.8... 10.0	1830.30	Z 3	7.8 yel'sh wh.
3848	H 2362	DM (3") 1560	1 50	3 33	188.3	25±	9-10... 10	1830+	H	
3849	Σ 1027	W ⁺ VII ^b . 1858	1 51	17 6	356.2	6.73	8.1... 8.2	1830.68	Z 4	White
3850	H 2363	....	1 51	-27 37	319.4	10±	10 ... 11	1830+	H	
3851	Σ 1029	W ⁺ VII ^b . 1917	2 1	- 4 29	23.4	2.08	7.4... 8.1	1833.67	Z 4	Very white
3852	Σ 1024	DM (38") 1699	2 3	38 19	313.4	1.46	8.3... 8.8	1831.56	Z 3	Yel'sh wh.
3853	Ho 519	W ⁺ VII ^b . 1869	2 14	25 56	124.1	19.71	7 ... 13	1891.76	Ho 2	A and B }
					87.3	105.37	6.2... 7.0	1874.65	Δ 3	A and C }
3854	Σ 1028	SD (10") 1885	2 36	-10 26	302.3	10.92	8.5... 10.8	1831.16	Z 3	8.5 yel.
3855	Hu 618	DM (51") 1292	2 43	51 35	122.1	1.39	8.8... 10.8	1902.99	Hu 2	(See p. 1069)
3856	Ho 518	W ⁺ VII ^b . 1884	2 45	30 33	143.3	2.87	8 ... 10	1896.19	Ho 2	(A. N. 3537)
3857	H 3930	....	2 48	-12 59	73.8	12±	10 ... 10½	1836.1	H	"Chief of a cluster"
3858	Σ 1025	O. Arg. W. 7602	2 56	56 0	141.2	22.67	7.5... 7.8	1830.62	Z 3	White
3859	Hd 98	....	3 :	-19 54:	np	5±	9 ...	1869.08	Hd	
3860	Σ 1030	....	3 3	- 8 29	42.0	15.56	8.0... 9.2	1830.16	Z 2	8.0 yel'sh
3861	Σ 1031	W ⁺ VII ^b . 22	3 5	-13 48	251.6	3.80	8.3... 9.0	1831.16	Z 3	A and B }
					351.8	12±	... (14)	1837.0	H	A and C }
3862	β 1009	τ <i>Geminorum</i>	3 30	30 26	178.2	1.87	5.0... 11.5	1882.01	β 2	
3863	Σ 1034	W ⁺ VII ^b . 37	3 35	- 8 7	17.6	2.46	8.7... 9.2	1830.53	Z 3	
3864	Hd 99	....	4 :	-15 48:	....	....	....	....	....	No description
3865	Hd 100	....	4 :	-19 57:	s	4±	8½... 12	1869.	Hd	
3866	β 329	<i>Canis Majoris</i> 146	4 9	-16 2	97.6	29.52	6.4... 11.7	1880.67	β 2	
3867	Hd 101	....	4 20:	-19 57:	120±	10±	9 ... 11	1870	Hd	"Principal star red"
3868	Σ 1036 rej.	....	4 20:	- 5 57:	....	Cl. IV	8-9... 9	....	Z	(See p. 1069)
3869	β 1279	SD (3") 1773	4 26	- 3 54	10.4	1.02	9.0... 9.3	1899.23	β 1	
3870	A 521	SD (2") 1962	4 38	- 2 38	122.2	2.12	9.0... 12.0	1903.01	A 3	(Bul. L. O. No. 90)
3871	Ho 30	DM (29") 1475	4 46	29 53	125.9	5.48	9 ... 9	1886.24	Ho 2	
3872	Σ 1035	DM (22") 1609	4 49	22 29	39.6	8.51	7.4... 7.4	1829.50	Z 4	Yel'sh
3873	Σ 1032	DM (48") 1489	4 50	48 42	100.5	2.55	7.0... 10.3	1831.30	Z 3	7.0 white
3874	H 3933	SD (19") 1721	4 55	-19 34	153.1	10±	9 ... 12	1836.1	H	
3875	Σ 1033	DM (52") 1184	5 19	52 45	282.0	1.44	7.4... 8.0	1829.84	Z 4	A and B }
					266.3	67.77	....	1783.06	H 1	AB very wh.
3876	Σ 1037	DM (27") 1337	5 21	27 26	332.7	1.11	7.1... 7.1	1830.42	Z 6	A and B }
					....	15±	... 11	....	O Σ	A and C } AB yel'sh
3877	H. N. 94	....	5 36:	22 12:	....	....	....	....	....
3878	O Σ 168 rej.	L 13937	5 38	21 33	67.0	22.73	6.7... 10.8	1868.13	Δ 3	A and B }
					115.6	51.28	... 10.3	1868.13	Δ 3	A and C } 6.7 yel.
3879	A 328	SD (4") 1852	5 45	- 4 29	192.9	1.48	9.0... 11.7	1902.47	A 4	(Bul. L. O. No. 99)
3880	O Σ 167	L 13930	7 5 46	32 21	158.9	5.21	7.2... 10.3	1850.84	O Σ 5	7.2 white

Within 101° of the North Pole

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Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
3881	A 329	SD (3°) 1789	7 ^h 5 ^m 48 ^s	- 3° 56'	127° 2	3.64	8.3...13.2	1902.37	A 3	(Bul. L. O. No. 29)
3882	Weisse 14	W ² VII ^h , 118	5 58	15 23	170±	2±	7-8... 9	....	β	
3883	H 752	....	5 59	10 2	275±	4±	11 ...13	1820+	H	
3884	Hu 221	DM (61°) 951	6 0	61 35	151.9	0.59	9.2...11.0	1900.85	Hu 2	A and B } (A. J.
					285.5	4.56	...13	1900.85	Hu 1	A and C } 494)
3885	....	SD (7°) 1797	6 1	- 7 26	264.5	2.08	9.0... 9.2	1903.22	A 2	
3886	H 413	....	6 3	34 35	275±	3±	11 = 11	1820+	H	
3887	H 3934	O. Arg. S. 6356	6 13	-21 36	229.5	12±	8 ... 9	1835.1	H	
3888	A 330	SD (2°) 1976	6 14	- 2 49	181.0	1.34	8.4...10.2	1902.62	A 2	(Bul. L. O. No. 29)
3889	H 3290	....	6 18	14 46	315±	3±	11 ...12	1831+	H	
3890	OΣ 520	L 13953	6 18	28 42	343.6	0.55	7.0... 9.0	1850.78	OΣ 2	
3891	Ho 31	DM (30°) 1454	6 20	30 9	7.4	10.91	9.0... 9.5	1886.25	Ho 1	(A. N. 2778)
3892	β 196	W ² VII ^h , 142	6 27	- 5 14	186.7	3.52	10.0...11.0	1876.83	β 1	(See p. 1069)
3893	H VI. 74	51 Geminorum	6 29	16 22	45±	90±	....	1782.09	H	A and B }
					45±	120±	....	1782.09	H	A and C }
3894	Σ 1043	DM (-0°) 1642	6 30	- 0 29	248.3	2.39	8.8... 8.8	1831.87	Σ 3	White
3895	A 331	SD (2°) 1982	6 32	- 2 45	125.2	4.15	8.2...12.3	1902.44	A 3	(Bul. L. O. No. 29)
3896	H 2364	....	6 38	4 50	243±	8±	11 ...12	1830+	H	(See p. 1069)
3897	Ho 32	DM (30°) 1456	6 41	30 17	162.2	4.39	9 ... 9	1886.25	Ho 1	(A. N. 2778)
3898	A 522	SD (7°) 1802	6 41	- 8 1	352.7	1.27	7.9...12.0	1903.84	A 3	(Bul. L. O. No. 50)
3899	Σ 1045	W ² VII ^h , 155	6 42	- 2 58	226.9	5.87	7.8... 9.0	1831.21	Σ 3	White: ash
3900	H 2365	....	6 43	3 40	139.1	18±	9-10...11	1830+	H	
3901	Σ 1041 ref.	....	6 44:	17 58:	....	Cl. IV	8 ...11	....	Σ	
3902	β 197	L 14026	7 0	- 6 57	147.0	2.28	7.7...10.2	1876.86	β 2	
3903	H 48	....	7 18:	5 23:	260±	40±	10 ...11	1820+	H	
3904	Σ 1040	DM (48°) 1493	7 20	48 25	258.8	7.21	8.0...10.0	1830.25	Σ 3	8.0 white
3905	Ho 343	52 Geminorum	7 22	25 6	257.0	22.36	6 ...12	1890.22	Ho 2	
3906	Σ 1042	DM (42°) 1685	7 25	42 21	40.5	11.95	8.5...10.3	1830.22	Σ 3	8.5 yel'ish
3907	Σ 1044	DM (47°) 1420	7 27	47 51	167.2	12.37	8.5... 8.7	1828.73	Σ 2	
3908	Σ 1039	DM (63°) 700	7 27	63 44	208.9	2.87	8.8... 9.5	1830.59	Σ 3	
3909	Σ 1047	DM (16°) 1422	7 28	15 58	19.4	20.66	7.3... 9.8	1828.53	Σ 3	7.0 white
3910	Hn 85	SD (19°) 1753	7 39	-19 41	197.8	2.51	10.2...11.3	1888.50	Com 3	
3911	Hu 455	SD (14°) 1775	7 43	-14 54	203.0	4.08	8.5...11.0	1902.26	Hu 2	(Bul. L. O. No. 21)
3912	β 1023	DM (26°) 1498	7 45	26 5	294.0	0.25	8.4... 8.5	1891.23	β 3	
3913	Σ 1046	DM (14°) 1606	7 50	14 46	231.0	12.07	8.6...11.7	1829.46	Σ 4	
3914	Σ 1038	DM (68°) 472	7 54	68 45	95.7	11.29	7.3... 9.7	1831.34	Σ 3	7.3 yel'ish
3915	Σ 1048	DM (4°) 1631	7 54	4 25	351.5	5.76	8.3...10.2	1831.86	Σ 3	8.3 white
3916	H 755	....	7 54	-11 17	70±	5±	10 ...14	1820+	H	
3917	A 523	SD (3°) 1803	7 57	- 3 31	322.2	1.04	11.0...12.8	1903.04	A 2	B and C } (Bul.
					228.8	98.29	8.5...	1903.03	A 1	A and BC } L. O.
3918	Σ 1049	W ² VII ^h , 197	7 57	- 8 43	34.9	3.63	8.0... 9.8	1830.53	Σ 3	8.3 yel'ish wh.
3919	Lewis 8	....	8 :	26 5:	226.5	0.72	9.5...10.0	1900.24	L 1	
3920	β 757	Argus 101	8 10	-36 21	65.8	2.25	6.0... 7.5	1881.18	Pt 1	
3921	A 524	SD (3°) 1804	8 14	- 3 42	147.7	2.87	6.7...11.7	1903.04	A 3	(Bul. L. O. No. 50)
3922	H 754	SD (13°) 1887	8 19	-13 49	340±	9±	10 ...11	1820+	H	
3923	H 753	W ² VII ^h , 199	8 23	11 13	5±	15±	9 ...11	1820+	H	
3924	H 3940	....	8 35	-30 46	95.4	12±	9 ...12	1835.1	H	
3925	H 3938	L 14105	8 43	-22 42	252.6	18±	7½... 8½	1837.1	H	
3926	A 672	A. G. Leiden 3048	8 44	30 55	263.6	1.36	8.6...13.0	1904.45	A 2	(Bul. L. O. No. 61)
3927	Σ 1052	SD (10°) 1934	8 52	-10 4	20.3	19.98	8.5... 8.7	1831.10	Σ 3	White
3928	H 3939	....	8 52	-17 46	246±	8±	10 ...10	1834+	H	
3929	Ho 520	Cord. G. C. 9169	8 55	-30 47	270±	5±	9 ...11	1894.16	Ho	(A. N. 3557)
3930	A 525	SD (2°) 2008	8 59	- 2 37	260.0	1.96	8.0...12.2	1903.07	A 3	A and B } (Bul. L.
					36.0	12.14	...11.7	1903.07	A 3	A and C } O. No.
3931	β 1268	24 Monocerotis	9 11	0 3	313.2	3.81	6.0...11.8	1892.21	β 4	50)
3932	Hn 86	7 9 20	-25 46	281.9	6.17	10.2...11.1	1888.86	Com 2	

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Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
3933	Pritchett	DM (14°) 1616	7 ^h 9 ^m 21 ^s	14° 50'	222° 1	9.12	....	1880.24	Pt 1	
3934	β 575	Canis Majoris 156	9 21	-15 16	199.2	0.69	8.0... 8.0	1878.18	β 2	A and B } (AC=21057)
					1.9	15.28	7.8... 9.8	1831.20	Σ 3	AB and C } 7.8 yellowish wh.
3935	Σ 1056	W ¹ VII ^b . 243	9 30	-1 39	297.9	3.97	7.8... 8.8	1830.53	Σ 3	Yellowish: bluish
3936	Σ 1053	DM (24°) 1592	9 30	24 45	309.7	13.73	7.5... 10.2	1831.57	Σ 3	7.5 very wh.
3937	H0 344	O. Arg. S. 6460	9 38	-20 49	359.5	0.86	8.8... 9.1	1890.23	H0 2	
3938	Howe 17	W ¹ VII ^b . 245	9 39	-0 25	314.7	2.49	8.0... 8.0	1879.21	Cin 1	
3939	Ku 28	DM (5°) 1610	9 47	5 48	321.8	1.39	9.0... 10.1	1901.12	Ku 2	Kustner (3801)
3940	H 49	....	9 54	-5 27	45±	5±	10 ... 11	1820+	H	
3941	H 2368	....	9 54	-7 45	262.1	4±	11 ... 13	1830+	H	
3942	H 415	....	9 59	33 40	285±	12±	10 ... 11	1820+	H	A and B }
					295±	25±	... 12	1820+	H	A and C }
3943	Σ 1050	O. Arg. N. 7737	10 6	55 8	19.2	19.37	7.3... 8.0	1829.26	Σ 3	White
3944	Σ 1054	DM (35°) 1588	10 10	35 10	291.5	18.53	7.3... 8.5	1830.28	Σ 3	Yellowish wh.: bluish wh.
3945	H 2366	....	10 15	56 18	336.9	15±	10-11=10-11	1830+	H	
3946	Σ 1058	DM (9°) 1595	10 16	9 34	282.7	23.78	8.2... 11.7	1832.19	Σ 2	8.2 yel.
3947	Σ 1060	SD (9°) 1947	10 22	-9 3	22.7	6.75	8.2... 9.2	1831.20	Σ 3	8.2 wh.
3948	Σ 1055	47 Camelopardalis	10 46	60 7	344.1	2.44	6.0... 10.5	1830.65	Σ 3	6.0 white
3949	OΣ 170	P VII ^b . 52	11 5	9 31	133.0	0.96	7.5... 7.5	1844.79	OΣ 2	
3950	Hu 619	DM (48°) 1513	11 12	48 33	338.7	0.57	9.0... 10.5	1902.90	Hu 3	A and B }
					269.0	22±	9-10... 11	1830+	H	AB and C } AC=H 2367
3951	Σ 1061	λ Geminorum	11 12	16 45	30.9	9.56	3.2... 10.3	1829.86	Σ 3	3.2 greenish blue
3952	H 2370	....	11 16	-29 16	34.2	20±	9 ... 9+	1830+	H	
3953	Σ 1064	Canis Majoris 163	11 30	-11 49	237.7	15.20	7.0... 9.7	1831.20	Σ 3	7.6 yellowish wh.
3954	H 3945	L 14200	11 33	-23 6	67.6	28.21	7 ... 8	1837.2	H	Orange: pale blue
3955	Hu 113	SD (13°) 1919	11 36	-13 46	53.9	1.75	8.2... 12.7	1900.13	Hu 3	(A. J. 485)
3956	H 2369	....	11 36	1 54	54.8	12±	11 ... 13	1830+	H	
3957	Weisse 15	W ² VII ^b . 316	11 43	16 48	....	....	....	....	....
3958	Σ 1063 rej.	DM (4°) 1653	11 44	-4 34	290.0	25±	10 ...	1830+	H	A and BC } From H (V)
					202.4	2½±	12=12	1830+	H	B and C } 8.9 m. in DM
3959	Hd 102	DM (28°) 1363	11 46	28 29	340±	15±	9.1... 10.5	1868.10	Hd	
3960	H 416	DM (22°) 1639	11 49	22 56	95±	4±	10 ... 10	1820+	H	
3961	H 2371	W ¹ VII ^b . 318	12 1	1 46	234.3	18±	9 ... 14	1830+	H	
3962	Σ 1051	DM (73°) 375	12 7	73 19	268.4	1.22	6.5... 8.6	1831.86	Σ 4	A and B }
					81.5	31.18	... 6.7	1831.86	Σ 4	A and C } AC wh.
3963	....	O. Arg. S. 6554	12 19	-30 37	181.3	37.50	6½... 8	1838.2	H	
3964	A 526	SD (3°) 1838	12 22	-3 24	139.6	0.54	9.0... 9.1	1903.04	A 3	(Bul. L. O. No. 50)
3965	Σ 1069	SD (13°) 1926	12 32	-13 29	193.3	25.36	8.3... 8.3	1831.85	Σ 3	White
3966	Σ 1067	DM (3°) 1638	12 34	3 5	265.5	25.64	7.7... 8.7	1831.20	Σ 2	White
3967	H 2372	DM (20°) 1768	12 43	20 41	0±	18±	7 ... 14	1830+	H	
3968	H0 33	W ² VII ^b . 338	12 51	22 23	np	3±	9 ... 12	1883.21	H0	
3969	See 75	O. Arg. S. 6566	12 52	-25 46	7.2	12.36	6.5... 13.7	1897.84	See 1	
3970	Σ 1066	δ Geminorum	12 57	22 12	196.9	7.14	3.2... 8.2	1829.72	Σ 4	Yellowish: purplish
3971	S 546	DM (31°) 1540	13 4	31 42	359.4	79.60	8½... 10	1825.12	S 2	A and B }
					69.2	142.64	... 11	1825.11	S 1	A and C }
3972	Σ 1068	DM (13°) 1634	13 4	13 36	354.3	3.89	8.3... 9.0	1830.22	Σ 3	
3973	Σ 1062	19 Lyncis	13 4	55 30	313.8	14.72	5.3... 6.6	1829.51	Σ 5	Greenish wh.: bluish wh.
3974	Σ 1065	20 Lyncis	13 5	50 22	253.4	15.03	6.6... 6.8	1830.55	Σ 5	Very white
3975	β 330	DM (-0°) 1680	13 27	-0 41	218.0	1.28	8.7... 10.5	1876.87	Δ 2	
3976	Σ 1059 rej.	O. Arg. S. 7777	13 28	69 43	....	Cl. IV	8 ... 9-10	....	Σ	From Cat. Nov.
3977	Σ 1070	DM (34°) 1583	13 31	34 15	319.2	1.87	8.2... 9.2	1830.90	Σ 3	White
3978	Hd 103	....	13 35	-20 12	30±	11±	9 ... 10	1870	Hd	
3979	Σ 1072 rej.	SD (4°) 1904	13 41	-4 14	107.4	22.19	9 ... 10	1898.20	Doo 3	
3980	H 3948	30 Canis Majoris	13 44	-24 24	85.8	8±	5½... 11	1835.1	H	A and B }
					73.3	15±	... 12	1835.1	H	A and C }
3981	H 3949	B. A. C. 2420	7 13 54	-30 35	79.9	2±	8-9... 8-9	1836.2	H	

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Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
3982	Skinner 5	SD (16°) 1895	7 ^h 13 ^m 55 ^s	-16° 34'	285° 2	2' 60	9.2... 9.2	1904.00	β 2	
3983	A. G. 138	A. G. Alb. 2754	13 55	1 58	320.6	24.33	9.0... 9.5	1903.20	Cg 2	Cogs A. J. 554
3984	H 417	DM (34°) 1585	13 59	34 54	65±	12±	9 ... 13	1820+	H	
3985	H 2375	....	14 1	-28 11	169.0	4±	10 ... 11	1830+	H	"Neat"
3986	β 901	65 Aurigae	14 1	36 59	7.9	10.56	5.8... 12.3	1879.31	β 3	A and B }
					26.8	36.05	... 12.7	1879.51	β 2	A and C }
3987	H 3950	L 14292	14 12	-21 49	168.3	3±	9½ = 9½	1837.1	H	
3988	H 50	....	14 12:	- 5 30:	230±	12±	....	1820+	H	
3989	Ho 242	W ⁱ VII ^b . 393	14 20	- 4 46	64.3	4.21	7.0... 12.0	1887.14	Ho 2	
3990	Σ 1074	P VIII ^b . 53	14 21	0 38	115.4	0.48	7.8... 8.2	1831.54	Σ 3	A and B }
					100.0	12.75	... 13.5	1892.19	β 2	AB and C }
					9.9	14.54	... 13	1878.21	β 1	AB and D }
					278.0	53.62	... 10.8	1892.18	β 3	AB and E }
3991	Σ 1071	DM (45°) 1424	14 22	45 14	357.3	15.52	8.2... 10.2	1829.73	Σ 2	
3992	Σ 1073	DM (10°) 1505	14 24	10 25	64.6	8.68	8.0... 10.0	1830.19	Σ 2	8.0 white
3993	Σ 1076	DM (4°) 1667	14 42	4 17	106.7	2.71	8.7... 8.7	1828.85	Σ 3	White
3994	Σ 1077	Schj. 2644	14 52	- 0 27	322.2	5.40	9.3... 9.3	1828.19	Σ 3	White
3994½	....	DM (20°) 1775	14 52	20 40	205.1	17.75	6.0... 13	1901.08	β 2	A and B }
					245.2	7.73	....	1900.78	β 1	B and C }
3995	H 757	DM (34°) 1589	14 55	34 27	120±	3±	11 ... 11+	1820+	H	
3996	Hn 87	SD (21°) 1880	14 58	-21 39	273.5	4.40	9.1... 9.4	1889.07	Com 3	
3997	A. G. 139	DM (22°) 1655	15 0	22 52	....	....	8.2... 8.2	....	....
3998	β 331	Cord. DM (24°) 5211	15 2	-24 12	115.9	2.04	8.2... 9.0	1877.13	Cin 2	
3999	Ho 243	DM (29°) 1517	15 4	29 29	166.1	1.79	9.3... 9.5	1885.25	Ho 2	
4000	Hn 88	O. Arg. S. 6629	15 5	-22 40	270±	4±	9½... 11	1881+	Hn	
4001	OΣ (App) 84	P VII ^b . 62, 61	15 21	56 48	326.0	114.19	7.0... 7.3	1875.18	Δ 3	
4002	H 2374	....	15 25	51 4	131.0	15±	10 ... 14	1830+	H	} "Triple"
					76.8	20±	... 15	1830+	H	
4003	H 2373	....	15 27	56 21	268.8	9±	9-10... 12	1830+	H	
4004	β 1024	DM (29°) 1520	15 33	29 32	103.2	1.40	9.0... 11.5	1892.26	β 1	
4005	Ho 345	W ⁱ VII ^b . 415	15 33	22 18	282.2	0.90	9.0... 10.0	1890.12	Ho 1	AB }
					229.5	23.87	... 13	1890.12	Ho 1	AC } (A. N. 3233) (See p. 1069)
4006	H 418	....	15 35	25 27	290±	10±	10 ... 11	1820+	H	"Unless R. A. 5 m. less."
4007	Σ 1080	DM (4°) 1676	15 55	4 43	220.8	22.35	9.0... 9.2	1829.17	Σ 2	
4008	Lv 4	....	16 :	-19 30	129.1	1.96	9.0... 9.4	1889.11	Lv 1	
4009	See 76	Lac. 2747	16 3	-26 44	216.4	7.95	6 ... 15	1897.05	See 2	
4010	H 419	W ⁱ VII ^b . 444	16 8	- 3 48	45±	8-10	9 ... 10	1820+	H	(See p. 1069)
4011	....	DM (38°) 1749	16 22	38 0	64.6	1.76	9.5... 9.5	1880.05	β 2	
4012	Σ 1075	DM (63°) 710	16 37	63 14	342.2	7.26	8.0... 10.0	1830.35	Σ 3	8.0 yel.
4013	Σ 1079	DM (38°) 1752	16 40	38 3	330.7	5.91	8.5... 10.0	1830.90	Σ 3	A and B }
					252.2	220±	....	1880.05	β 1	A and C }
4014	H 758	SD (15°) 1786	16 57	-15 20	240±	8±	9 ... 14	1820+	H	8.3 m. in SD
4015	Ku 29	DM (40°) 1858	16 59	40 2	146.3	3.43	9.5... 10.0	1901.14	Ku 2	Kustner (3821)
4016	Σ 1081	DM (21°) 1589	17 1	21 41	216.1	1.33	7.8... 8.5	1828.93	Σ 3	Very wh.
4017	H 3291	DM (14°) 1652	17 6	14 22	118.2	4±	10 ... 11	1831+	H	A and B }
					297.5	12±	... 13	1831+	H	A and C }
4018	H 5451	Cord. DM (23°) 5345	17 9	-23 59	12.6	3±	10 = 10	1835.1	H	About 9½ m. (1876)
4019	Σ 1082	DM (10°) 1521	17 11	10 56	326.5	19.85	8.0... 8.7	1830.22	Σ 2	A and B }
					18.4	....	... 13.0	1880.22	β 1	A and C }
					100.0	....	....	1880.22	β 1	B and C }
4020	H 420	DM (26°) 1546	17 12	26 55	20±	5±	11 ... 12	1820+	H	} "In the same field"
4021	H 422	DM (26°) 1547	17 22	26 51	205±	12±	9 ... 10	1820+	H	
4022	A 527	SD (9°) 2014	17 23	- 9 48	85.2	2.76	8.7... 9.5	1903.27	A 2	(Bul. L. O. No. 50)
4023	A 332	SD (5°) 2092	17 26	- 5 24	105.4	0.39	9.0... 9.0	1902.57	A 2	(Bul. L. O. No. 39)
4024	H 2378	DM (0°) 1335	17 27	0 37	123.3	15±	10 ... 10	1830+	H	
4025	Ho —	SD (20°) 1892	7 17 27	-20 58	f	0.6±	8.5... 10	1890.07	Ho	(A. J. 215)

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
4026	Ho 521	SD (20°) 1893	7 ^h 17 ^m 30 ^s	-20° 56'	40° ±	1.5	9.5... 9.5	1890.07	Ho 1	
4027	H 52	....	17 34:	- 6 36:	175.6	6 ±	10 ... 13	1820+	H 1	A and B }
					150 ±	10 ±	... 11	1820+	H 1	A and C }
4028	H 53	....	17 40:	- 6 40:	130 ±	15 ±	....	1820+	H 1	
4029	H 51	....	17 41:	- 1 53:	235 ±	10 ±	10 ... 13	1820+	H 1	
4030	A 333	SD (5°) 2095	17 46	- 5 14	331.4	0.77	8.7... 11.0	1902.57	A 2	(Bul. L. O. No. 99)
4031	H 2381	....	17 56	-29 13	104.3	10 ±	11 ... 12	1830+	H 1	
4032	H 2379	....	17 57	18 56	347.8	7 ±	11 = 11	1830+	H 1	"Neat"
4033	See 78	Cond. G. C. 9444	18 2	-25 32	288.4	2.34	6 ... 12.8	1897.84	See 1	A and B }
					13.6	2.98	... 12	1897.84	See 1	A and C }
					29.9	6.86	... 12.4	1897.84	See 1	A and D }
4034	Σ 1084	L 14403	18 3	- 3 45	285.5	13.34	7.2... 9.7	1830.20	Z 2	7.2 yel.
4035	Hu 706	DM (20°) 1797	18 4	20 10	54.7	0.66	9.5... 9.5	1902.26	Hu 1	
4036	H 2377	DM (59°) 1081	18 8	59 4	267.0	8 ±	9-10... 11	1830+	H 1	
4037	H 2376	....	18 24	72 16	268.3	15 ±	11 ... 12	1830+	H 1	
4038	Σ 1083	DM (20°) 1798	18 30	20 44	42.6	6.20	6.7... 7.8	1828.61	Z 3	Yel'ish wh.: bluish wh.
4039	Σ 1085	SD (4°) 1933	18 31	- 4 22	278.3	3.19	8.1... 9.9	1830.71	Z 4	8.1 yel'ish
4040	H 3292	DM (15°) 1566	18 40	15 5	164.0	13 ±	9 ... 12	1831+	H 1	
4041	A. G. 140	DM (22°) 1678	18 49	22 19	175.3	1.57	8.7... 10.3	1902.50	Cg 3	
4042	Ho 346	W ² VII ^b . 503	18 56	18 23	58.1	12.67	7.0... 11.8	1891.25	Ho 3	(A. N. 3233)
4043	OZ 171	L 14391	18 58	31 51	130.0	0.97	7.1... 9.9	1851.25	OZ 5	(See p. 1090)
4044	Schj. 5	W ² VII ^b . 546	19 15	- 5 30	....	42 ±	8.5... 9.3	....	Schj	
4045	Σ 1088	W ² VII ^b . 531	19 15	14 20	195.1	11.11	7.0... 9.0	1829.52	Z 3	A and B }
4046	Σ 1087	....	....	....	41.9	19.88	8.2... 11.5	1829.55	Z 3	A ² and B ² } White
					238.1	112.27	....	1829.53	Z 3	A and A ² }
4047	Σ 1089	W ² VII ^b . 519	19 23	15 5	8.0	7.20	8.5... 8.5	1829.53	Z 3	White
4048	H 2383	....	19 28	- 6 51	319.0	9 ±	10-11=10-11	1830+	H 1	"A third near"
4049	Σ 1090	DM (18°) 1616	19 28	18 45	97.4	61.11	7.0... 8.0	1830.22	Z 2	A and B } AB
					318.5	19.70	... 9.5	1830.22	Z 2	B and C } very wh.
4050	H 2380	....	19 29	52 27	276.0	10 ±	11-12=11-12	1830+	H 1	
4051	H 3964	....	19 51	-20 47	150 ±	4 ±	10 ... 10	1837.1	H 1	
4052	β 758	Lynx 51	19 55	48 26	94.2	16.92	6.2... 10.2	1883.75	En 6	
4053	β 199	L 14480	19 57	-20 56	20.3	1.90	7.2... 8.2	1877.15	Cin 2	A and B }
					120.2	6.10	... 13	1898.15	Ho 1	AB and C }
4054	Σ 1086	....	20 4	43 0	102.3	12.16	7.5... 9.0	1830.72	Z 2	7.5 very yel.
4055	Hu 49	SD (12°) 1962	20 20	-12 4	203.0	0.50	9.0... 10.5	1900.05	Hu 1	(A. J. 480)
4056	S 548	DM (22°) 1687	20 31	22 23	275.9	35.62	7 ... 10	1825.09	S 2	
4057	A. G. 141	A. G. Lund 3858	20 32	36 22	33.5	4.49	9.2... 9.4	1902.83	β 2	
4058	Σ 1094	W ² VII ^b . 551	20 36	15 33	96.3	2.41	7.7... 8.7	1829.48	Z 4	White
4059	Sh 368	63 Geminorum	20 37	21 42	326.2	....	....	1822.14	Sh 1	
4060	β 198	L 14503	20 38	-20 43	211.9	5.72	8.0... 9.5	1870.12	Hd 1	
4061	O. Stone 17	L 14506	20 46	-18 8	76.8	4.83	7.5... 9.5	1877.11	Cin 2	
4062	Σ 1091	DM (50°) 1435	20 48	50 13	335.9	28.59	8.2... 8.7	1829.28	Z 2	
4063	H 2382	....	20 51	52 43	241.9	12 ±	10 ... 11	1830+	H 1	
4064	Σ 1095	W ² VII ^b . 580	20 51	9 0	78.0	9.81	8.3... 8.8	1831.21	Z 3	Very white
4065	Σ 1093	....	21 10	50 14	96.4	0.58	8.2... 8.2	1831.94	Z 3	White
4066	Hu 621	DM (35°) 1622	21 10	35 35	336.6	3.62	8.6... 13.0	1902.99	Hu 2	
4067	A 528	SD (2°) 2117	21 17	- 3 0	98.7	3.43	8.5... 13.2	1903.07	A 3	(Bul. L. O. No. 90)
4068	A 529	SD (4°) 1955	21 20	- 4 6	208.6	3.45	8.5... 14.2	1903.09	A 2	(Bul. L. O. No. 90)
4069	Σ 1092	DM (49°) 1632	21 20	49 29	71.1	2.61	8.0... 9.8	1831.93	Z 3	8.0 white
4070	OZ (App) 85	L 14481	21 23	24 54	26.8	56.26	7.3... 8.2	1875.05	Δ 3	
4071	See 79	Cond. DM (27°) 4070	21 28	-27 55	296.7	0.36	7.9... 8.3	1897.85	See 1	
4072	H 2385	....	21 34	5 2	176.2	9 ±	11 ... 11+	1830+	H 1	
4073	OZ 172 rej.	L 14465	21 34	35 3	....	12.	7 ... 11	....	OZ	
4074	β 21	η Canis Minoris	21 35	7 11	27.4	4.09	5.5... 11.3	1875.39	Δ 3	
4075	Lamont 4	γ Canis Minoris	7 21 38	9 10	247.3	34.62	1836.19	Lam 1	

Within 121° of the North Pole

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Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
4076	β 578	L 14545	7 ^h 21 ^m 47 ^s	-17° 37'	53° 6	2.44	6.5...11.8	1878.20	β 1	
4077	H 759	....	21 52	-11 15	330±	6±	10 ...14	1820+	H 1	
4078	Hu 50	SD (12°) 1979	21 57	-12 10	94.4	0.51	8.5... 9.2	1900.09	Hu 2	(A. J. 480)
4079	H 2386	....	22 4	4 1	245.4	3±	10 ...10-11	1830+	H 1	"Neat"
4080	β 332	P VII ^b . 116	22 14	-11 19	166.3	0.80	6.2... 8.2	1875.52	β 3	A and B
					312.1	20.20	... 8.7	1832.15	Z 2	AB and C
					157.2	23.41	... 9.8	1878.12	β 2	AB and D
					41.4	31.06	...12.5	1878.16	β 1	AB and E
4081	S 550	L 14559	22 15	-18 15	116.2	40.04	7½... 8	1825.03	S 2	
4082	Arg. 17	O. Arg. 8. 6832	22 15	-20 33	220±	15±	9 ...10	1875.	β	
4083	β 1194	65 Geminorum	22 21	28 10	289.5	13.91	5.5...14	1890.88	β 3	
4084	OΞ (App) 86	DM (14°) 1677	22 29	14 36	349.6	55.96	7.2... 8.2	1875.60	β 3	
4085	H 2387	....	22 29	0 28	196.0	15±	10-11...11	1830+	H 1	H (VII) 200°±: 25°±
4086	H 2384	....	22 37	54 10	203.2	10±	10 ...12	1830+	H 1	
4087	H 2389	....	22 45	- 8 31	302.0	3½±	10-11...13	1830+	H 1	
4088	Σ 1099	DM (11°) 1594	22 46	11 47	343.4	4.01	8.4... 9.0	1832.22	Z 4	Very wh.
4089	Σ 1096 <i>rej.</i>	DM (50°) 1441	22 47	50 24	....	CL IV	8 ... 9-10	....	Z	From Cat. Nov.
4090	IV. 95	....	22 48:	- 3 38	....	20.45	....	1783.15	H 1	R. A. uncertain
4091	A 3	DM (28°) 1403	22 50	28 8	255.2	2.14	8.7...12.7	1898.91	A 2	
4092	H 2388	....	22 54	0 28	145.8	12±	11 ...12	1830+	H 1	
4093	H 2391	Cord. G. C. 9585	23 8	-26 36	292.2	15±	8-9...14	1830+	H 1	"A very red,"
4094	Σ 1101	W ^a VII ^b . 676	23 11	-13 34	89.3	6.22	9.0... 9.0	1832.45	Z 4	7.1 m. in Cord.
4095	H 3293	....	23 27	35 43	305.2	9±	11 = 11	1831+	H 1	
4096	H 424	....	23 36	24 56	330±	9±	11 ...14	1820+	H 1	
					130±	12±	...12	1820+	H 1	"Triple"
4097	Σ 1102	W ^a VII ^b . 673	23 41	14 7	49.0	7.37	7.7... 9.2	1829.83	Z 3	7.7 white
4098	Σ 1104	L 14619	23 55	-14 44	292.4	2.35	6.7... 8.3	1831.88	Z 3	A and B
					190.0	20.66	...11.5	1882.21	En 3	A and C
					358.6	33.6	...12	1882.20	En 1	A and D
4099	H0 34	DM (21°) 1620	24 8	21 20	14.1	1.96	9.2... 9.5	1889.14	Ho 2	
4100	Σ 1103	L 14601	24 11	5 30	244.5	4.31	7.0... 8.5	1832.20	Z 3	Very wh.: ash
4101	Σ 1105 <i>rej.</i>	....	24 12:	8 50:	....	CL III	11 ...11	....	Z	"Lucida sequitur"
4102	A 530	SD (7°) 2004	24 20	- 7 30	352.5	0.58	10.0...10.0	1903.86	A 2	(Bul. L. O. No. 90)
4103	Σ 1098	DM (59°) 1091	24 27	59 49	282.3	26.79	9.0... 9.0	1830.29	Z 2	White
4104	Σ 1106	DM (16°) 1497	24 29	16 34	211.2	10.56	8.7... 8.7	1828.87	Z 3	White
4105	H 2390	....	24 52	52 35	328.0	8±	11-12...14	1830+	H 1	
4106	H 760	DM (-1°) 1743	25 11	- 0 52	360±	30±	6 ...20	1820+	H 1	
4107	H 2393	....	25 21	-28 1	125.1	9±	10 ...11	1830+	H 1	"Neat"
4108	β 22	W ^a VII ^b . 689	25 30	33 7	149.5	6.48	8.0...11.0	1875.32	β 4	
4109	Σ 1108	W ^a VII ^b . 704	25 39	23 9	179.1	11.54	6.7... 8.5	1827.27	Z 2	Yel'ch wh.: bluish
4110	H 54	SD (7°) 2017	25 43	- 7 53	20±	20±	9 ...12	1820+	H 1	S.m. in SD
4111	Σ 1109	L 14670	25 47	- 0 16	15.1	3.37	8.8... 8.8	1831.87	Z 3	White
4112	See 80	Lac. 2833	25 56	-27 51	86.1	0.25	7.9... 8.1	1897.83	See 1	
4113	Σ 1111	W ^a VII ^b . 767	26 0	- 8 27	219.6	19.76	8.2... 8.7	1830.71	Z 2	Yel'ch: wh.
4114	H 55	W ^a VII ^b . 756	26 4	10 41	100±	12±	9 ...12	1820+	H 1	A and B
					120±	6-8	...15	1820+	H 1	A and C
4115	H 2394	....	26 6	5 27	254.1	10±	11 ...11+	1830+	H 1	
4116	H 3294	DM (35°) 1643	26 9	35 54	178.5	2±	10 ...11	1831+	H 1	
4117	Σ 1100 <i>rej.</i>	DM (78°) 259	26 14:	78 8	....	CL III	8-9...10	....	Z	
4118	Σ 1112 <i>rej.</i>	Monocerotis 165	26 21	- 8 37	117.0	23±	8 ...12	1830+	H 1	
4119	H 3973	SD (20°) 1999	26 37	-20 40	36.3	8±	9 ...10	1837.10	H 1	
4120	β 579	W ^a VII ^b . 726	26 40	33 23	219.1	0.84	7.2...11.5	1878.24	β 1	A and B
					233.6	18.23	...12.0	1869.76	β 1	A and C
					347.2	43.09	... 9.0	1867.90	β 3	A and D
4121	H 2392	....	26 56	71 56	167.3	20±	9-10...13	1830+	H 1	"In a loosely scattered cluster"
4122	Σ 1110	a Geminorum (Castor)	7 26 57	32 9	262.5	4.40	2.7... 3.7	1826.22	Z 5	A and B } AB
					162.5	72.54	... 9.5	1835.24	Z 7	A and C } greenish

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
4123	Σ 1115	W ¹ VII ^b . 796	7 ^h 26 ^m 59 ^s	-12° 37'	140° 2	12 ^s 38	9.0... 9.0	1830.71	Σ 2	
4124	Hu 456	SD (17°) 2021	27 2	-17 15	224.6	3.55	9.0... 11.8	1902.26	Hu 2	(Bul. L. O. No. 21)
4125	Σ 1114	DM (9°) 1698	27 8	9 33	53.6	6.52	8.5... 9.0	1830.88	Σ 3	White
4126	Hu 707	DM (21°) 1638	27 17	21 53	19.6	2.46	8.5... 12.8	1902.26	Hu 1	
4127	Ma 2	....	27 18	43 18	116.5	3.89	9 ... 9	1843.26	Ma 1	
4128	Δ 13	SD (12°) 2019	27 20	-12 34	209.0	2.90	9.6... 13.7	1902.05	β 2	A and B }
					288.4	11.44	10 ... 10.5	1867.10	Δ 2	A and C }
4129	O Σ 174	L 14678	27 30	43 18	84.3	1.96	6.5... 8.1	1851.43	O Σ 7	White; blue
4130	O Σ 175	B. A. C. 2489	27 31	31 13	333.8	0.46	6.0... 6.6	1847.60	O Σ 12	A yel.
4131	H 3978	....	27 36	-27 55	92 \pm	10 \pm	9 ... 11	1837.1	H 1	
4132	H 2396	DM (20°) 1842	27 40	20 26	294.7	12 \pm	10 ... 11	1830+	H 1	
4133	H 425	DM (24°) 1705	27 43	24 32	180 \pm	100 \pm	8 ...	1820+	H 1	A and BC } (= Σ 1113
					40 \pm	3 \pm	12 ... 12	1820+	H 1	B and C } ref.)
4134	H 2398	....	27 44	-27 24	34.6	12 \pm	11 ... 12	1830+	H 1	
4135	Σ 1116	DM (12°) 1596	27 51	12 34	111.0	1.79	7.0... 7.7	1828.95	Σ 3	White
4136	Hu 622	DM (50°) 1450	27 59	50 52	35.3	3.20	9.0... 9.8	1902.99	Hu 2	
4137	Ku 30	DM (34°) 1639	28 10	34 35	110.7	3.39	9.2... 9.6	1901.14	Ku 1	Kustner (3821)
4138	H 2395	DM (52°) 1228	28 18	52 50	213.8	15 \pm	9 ... 11-12	1830+	H 1	
4139	H 56	SD (2°) 2181	28 19	-2 57	315 \pm	4 \pm	11 = 11	1820+	H 1	
4140	H 761	....	28 20	-1 47	273 \pm	4 \pm	11 ... 12	1820+	H 1	
4141	H 57	....	28 27	-2 53	....	8 \pm	13 = 13	1820+	H 1	
4142	Σ 1117	DM (35°) 1657	28 49	35 39	227.5	11.38	8.5... 10.7	1828.78	Σ 2	8.5 white
4143	Howe 18	O. Arg. S. 7035	28 56	-23 27	203.4	1.86	8.0... 9.0	1877.1	Cin 2	
4144	A 531	SD (5°) 2173	28 59	-5 10	46.0	0.38	8.6... 9.0	1903.21	A 2	(Bul. L. O. No. 50)
4145	H 3296	....	29 7	2 30	224.0	12 \pm	9-10... 13	1831+	H 1	
4146	H 2397	....	29 11	54 45	260.3	3 \pm	10-11... 12	1830+	H 1	"Ill defined"
4147	S 552	π^1, π^2 Puppis	29 15	-23 13	284.9	9.01	7 ... 7 $\frac{1}{4}$	1825.01	S 3	
4148	Σ 1118 ref.	DM (39°) 1978	29 18	39 8	....	Cl. IV	7-8... 10	....	Σ	
4149	Σ 1107	O. Arg. N. 8052	29 25	76 5	200.5	1.27	8.3... 10.2	1832.64	Σ 3	8.3 yel sh wh.
4150	Schj. 6	SD (5°) 2175	29 32	-5 43	....	40 \pm	9.5... 10	....	....
4151	H 2401	....	29 50	-24 40	255.9	8 \pm	11 ... 12	1830+	H 1	
4152	H 3295	....	29 55	39 7	11.3	28 \pm	9 ... 11	1831+	H 1	"Neb. I, 218 follows"
4153	Hd 106	....	30 :	-24 26	....	....	....	1868.01	Hd	"Suspected"
4154	A 532	SD (7°) 2057	30 0	-7 58	87.4	0.41	8.4... 10.0	1903.90	A 3	(Bul. L. O. No. 50)
4155	H 2399	DM (57°) 1091	29 57	57 4	65.6	7 \pm	9 ... 11	1830+	H 1	
4156	See 83	O. Arg. S. 7065	30 10	-25 48	200.3	9.01	7 ... 12.3	1897.84	See 1	
4157	H 762	....	30 11	0 19	335 \pm	4 \pm	10 ... 11	1820+	H 1	
4158	H 2400	....	30 15	3 27	280.6	15 \pm	9 ... 14	1830+	H 1	
4159	O Σ (App) 87	W ² VII ^b . 831	30 29	42 44	178.5	65.51	7.0... 7.0	1875.42	Δ 4	
4160	H 2402	....	30 30	5 17	....	....	....	....	....	No description in H
4161	A 533	SD (3°) 1972	30 30	-3 40	29.3	1.08	8.7... 9.7	1903.09	A 2	(Bul. L. O. No. 50)
4162	Σ 1120	L 14868	30 32	-14 13	35.3	19.61	6.5... 9.5	1830.23	Σ 2	6.5 white
4163	H 3982	B. A. C. 2508	30 34	-28 6	....	....	6... 9... 9	1834+	H 1	
4164	β 200	70 Geminorum	30 40	35 19	241.8	1.49	10.0... 11.0	1876.02	Δ 2	C and D }
					206.6	17.20	... 13.0	1880.09	β 1	C and E }
					190.0	98.43	... 11.0	1876.78	Δ 1	A and B }
					98.7	162.02	5.0...	1876.02	Δ 2	A and C }
4165	Σ 1119	DM (34°) 1646	30 44	33 59	350.0	2.89	8.0... 9.3	1829.58	Σ 3	8.0 wh.
4166	H 2403	....	30 57	4 22	283 \pm	4 \pm	13 ... 14	1830+	H 1	
4167	Hd 107	....	31 :	-23 31	s	10 \pm	7.5... 10	1869.08	Hd	
4168	H 5470	....	31 5	-14 13	230 \pm	6 \pm	9 ... 10	1827.9	H 1	
4169	Σ 1121	B. A. C. 2511	31 5	-14 13	304.7	7.45	7.2... 7.5	1831.44	Σ 4	White
4170	S 555	L 14888	31 10	-14 10	227.7	94.37	7 $\frac{1}{2}$... 8	1825.00	S 2	
4171	H 2404	....	31 17	18 8	66.4	12 \pm	9-10... 11-12	1830+	H 1	
4172	Ho 35	SD (-0°) 1768	31 24	-0 44	222.3	0.88	8 ... 9	1882.23	Ho :	
4173	Ho 244	DM (-1°) 1779	7 31 25	-1 46	199.1	11.85	7 ... 13	1887.21	Ho 1	

Within 121° of the North Pole

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Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
4174	H 3983	SD (13°) 2127	7 ^h 31 ^m 35 ^s	-13° 35'	305° 8	5" ±	10½...11	1836.1	H 1	
4175	H 764	....	31 42	-10 53	265 ±	15 ±	10 ... 10+	1820+	H 1	
4176	A 534	SD (2°) 2207	31 47	-2 20	288.9	0.80	7.6...10.0	1903.04	A 2	(Bul. L. O. No. 50)
4177	H 763	DM (10°) 1585	31 48	10 15	193 ±	6 ±	10 ... 11	1820+	H 1	
4178	H 2407	SD (8°) 2002	31 53	-8 9	291.6	20 ±	9-10...12	1830+	H 1	
4179	H 2406	....	32 0	1 40	71.0	18 ±	12 ... 12	1830+	H 1	
4180	S 557	L 14908	32 7	-14 10	336.9	66.36	8 ... 10	1825.19	S 2	
4181	OΞ 176	L 14904	32 20	0 47	210.4	1.54	7.3... 9.3	1855.92	OΞ 3	
4182	H 58	....	32 27:	-2 55:	290 ±	2 ±	11 = 11	1820+	H 1	"Very neat double star"
4183	H 765	L 14890	32 30	27 0	210 ±	15 ±	8 ... 14	1830+	H 1	A and B }
					300 ±	18 ±	... 15	1830+	H 1	A and C }
4184	Ho 245	W ¹ VII ^b . 967	32 38	-1 11	178.4	0.38	8 ... 8	1887.21	Ho 3	
4185	A 535	SD (4°) 2028	32 47	-4 43	148.5	0.26	8.4... 8.5	1903.39	A 3	(Bul. L. O. No. 50)
4186	H 2405	24 Lyncis	32 51	58 59	319.4	60 ±	5-6...12	1830+	H 1	
4187	Schaeberle	a Canis Minoris (Procyon)	33 1	5 32	320.4	4.63	1 ...	1896.93	Sch 4	
4188	Bird 2	W ¹ VII ^b . 990	33 24	5 33	182.6	0.79	9.1... 9.2	1872.90	Δ 5	A and B }
					335.2	35.91	... 13	1881.54	β 3	AB and C }
4189	A 536	SD (9°) 2156	33 26	-9 41	244.7	0.86	8.0...13.0	1903.82	A 1	(Bul. L. O. No. 50)
4190	Hu 457	DM (23°) 1779	33 33	23 31	146.3	2.32	8.5...12.3	1902.17	Hu 2	(Bul. L. O. No. 21)
4191	OΞ 177	W ² VII ^b . 936	33 41	37 42	149.9	0.58	7.5... 8.5	1845.60	OΞ 3	White: dusky Δ
4192	β 201	L 14945	33 42	-20 0	330.6	2.89	8.0... 8.5	1876.41	Δ 3	
4193	Σ 1126	P VII ^b . 170	33 44	5 30	132.0	1.46	7.2... 7.5	1829.43	Σ 11	Yel'sh
4194	Σ 1123	DM (33°) 1566	33 47	33 41	162.7	3.66	8.8... 9.5	1829.59	Σ 3	
4195	H 2408	....	33 47	-27 54	161.5	10 ±	10 = 10	1830+	H 1	"Fine"
4196	Σ 1124	DM (22°) 1744	33 50	22 5	325.5	19.39	8.2... 8.4	1828.27	Σ 4	White
4197	β 1061	κ Argus	33 54	-26 32	229.3	6.46	4 ... 13.8	1889.12	β 3	B and C }
					317.8	10.41	5 ... 5	1836.67	H 3	A and B }
4198	Hn 89	SD (16°) 2068	33 55	-16 25	217.9	2.95	9.2...10.3	1888.53	Com 3	
4199	Σ 1128 rej.	L 14941	33 56	-5 58	....	III-IV	8 ... 10	....	Σ	
4200	A. G. 142	DM (23°) 1782	34 15	23 28	16.0	1.52	8.8...10.0	1902.09	Hu 1	
4201	Hu 708	SD (17°) 2083	34 27	-17 38	275.1	1.44	9.0...13.0	1902.27	Hu 1	
4202	Σ 1122	P VII ^b . 159	34 29	65 27	4.9	15.46	7.1... 7.1	1830.59	Σ 4	White
4203	H V. 135	....	34 31:	65 27:	185.0	38.30	....	1783.73	H 1	
4204	Ho 523	DM (21°) 1663	34 37	21 55	322.7	8.58	9 ... 10.5	1894.09	Ho 1	
4205	H 3297	....	34 42	15 12	195.4	14 ±	11 = 11	1831+	H	
4206	Σ 1129	W ² VII ^b . 991	34 46	18 20	62.6	21.66	8.2... 8.7	1828.68	Σ 2	White
4207	See 84	L 14980	34 57	-19 23	287.4	9.27	5.8...11	1897.82	See 1	
4208	A. G. 143	A. G. Alb. 2963	34 59	1 25	97.6	5.53	8.7... 9.7	1903.20	M 2	
4209	H.C. Wilson 5	....	35 :	-20 0:	313.3	4.74	9 ... 11.2	1886.18	W 3	From (Cin 10)
4210	Schj. 7	W ¹ VII ^b . 1032	35 1	9 29	....	25 ±	8.5... 9.5	....	....
4211	Σ 1130	DM (10°) 1599	35 8	9 59	162.0	2.04	8.4... 8.9	1829.40	Σ 5	
4212	H 2409	DM (19°) 1800	35 9	19 18	216.4	18 ±	9-10...16	1830+	H	
4213	Σ 1125	DM (61°) 995	35 17	61 11	341.6	21.79	8.5...10.0	1831.40	Σ 2	
4214	Hn 90	O. Arg. S. 7228	35 36	-16 12	278.8	2.81	9.2... 9.5	1888.53	Com 3	
4215	Σ 1127	O. Arg. N. 8196	35 53	64 21	340.4	5.23	6.2... 8.0	1830.33	Σ 3	A and B } 6.2 very wh.
					174.9	11.26	... 9.2	1830.33	Σ 3	A and C } 8.0 ash
4216	Innes 185	Cord. DM (29°) 4757	35 55	-29 50	195.7	1.81	9.5...10.1	1902.32	I 2	
4217	Hn 91	O. Arg. S. 7245	36 0	-20 4	214.5	1.88	8.8...11.0	1888.50	Com 3	
4218	H 2410	....	36 9	0 16	4.3	12 ±	10-11...11	1830+	H	
4219	Σ 1132	L 14966	36 13	-3 14	237.9	19.26	8.1... 8.7	1829.40	Σ 4	White
4220	H 2411	....	36 16	-27 42	200.3	10 ±	10-11...12	1830+	H	
4221	H 766	....	36 24	10 27	40 ±	13 ±	10 ... 11	1820+	H	
4222	Σ 1133	W ¹ VII ^b . 1084	36 35	-3 45	108.3	4.35	8.3... 9.3	1831.20	Σ 3	
4223	Hu 709	SD (17°) 2108	37 0	-17 59	287.4	1.85	9.0... 9.0	1902.27	Hu 1	
4224	A 674	A. G. Lelden 3253	37 1	31 24	130.5	0.93	7.4...10.2	1904.16	A 4	(Bul. L. O. No. 61)
4225	Hu 114	SD (13°) 2182	7 37 5	-14 1	219.5	1.58	8.6...13.0	1900.23	Hu 2	(A. J. 485)

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
4226	OE 179	κ Geminorum	7 ^h 37 ^m 12 ^s	24° 41'	233° 2	6.24	4.0... 8.5	1853.70	OE 7	Yel'sh: ash, Δ
4227	Σ 1134	DM (3°) 1773	37 13	3 47	146.8	10.10	8.0... 11.2	1832.16	Σ 3	8.0 yel'sh
4228	Hu 710	SD (16°) 2093	37 34	-16 47	36.0	0.35	7.0... 8.0	1902.27	Hu 1	
4229	H 2413	....	37 37	0 14	13.8	9±	10 ... 11	1830+	H	Double in Hd. Zones
4230	H 3298	DM (13°) 1751	37 40	13 7	71.4	10±	10 ... 13	1831+	H	"Star 8 m. δ 75.5"
4231	H 4212	W ² VII ^b . 1052	37 46	20 11	171.4	4±	10-11... 11	1830+	H	8.7 in DM "Duplex 8" in W ²
4232	OE 181	L 15012	37 53	34 51	260.2	6.11	7.5... 11.8	1848.24	OE 2	
4233	β 580	β Geminorum (Pollux)	37 58	28 19	128.0	1.40	10 ... 12.5	1878.10	β 2	C and D
					275.3	41.39	2.0... 13.5	1880.22	β 1	A and B
					65.5	116.75	....	1781.90	Ht 1	A and C
					90.0	206.30	... 9.5	1879.24	β 1	A and E
					73.9	203.84	... 11.0	1836.26	Σ 3	A and F
					89.8	57.40	....	1851.88	OE 3	C and F
					145.2	71.12	....	1898.96	β 1	C and E
4234	Ho 246	W ² VII ^b . 1076	38 12	26 17	222.5	2.34	7.5... 12.5	1887.30	Ho 2	
4235	H 428	DM (21°) 1677	38 13	21 10	270±	7±	9 ... 14	1820+	H	8.3 m. in DM
4236	H 59	....	38 15:	- 3 24:	310±	6±	11 ... 13	1820+	H	
4237	H 2415	....	38 18	-28 42	114.5	3±	11 ... 11-12	1830+	H	"A smaller f"
4238	OE 180	Rad ² . 2027	38 18	59 23	204.4	14.86	7.3... 11.2	1848.63	OE 3	7.2 yel'sh, Δ
4239	H 3995	....	38 20	-21 49	249.7	5±	10 ... 11	1837.1	H	
4240	See 85	1 Argus	38 42	-28 8	32.6	26.68	5 ... 13.7	1897.85	See 1	
4241	Σ 1131	DM (71°) 427	38 43	71 45	353.3	2.43	9.3... 9.5	1832.34	Σ 3	
4242	H 2414	....	38 49	20 18	64.4	5±	11-12=11-12	1830+	H	
4243	Hu 51	SD (11°) 2086	38 56	-12 2	46.1	0.87	8.7... 9.2	1900.04	Hu 3	(A. J. 480)
4244	Ho 247	DM (21°) 1679	39 3	21 25	101.3	0.36	7.5... 8.0	1887.22	Ho 2	(A. N. 2977) (See p. 1070)
4245	H 767	W ² VII ^b . 1149	39 10	- 0 9	170±	18±	8-9... 11	1820+	H	
4246	Ho 347	W ² VII ^b . 1108	39 23	17 18	280.3	13.71	8.0... 12.2	1892.72	Ho 2	(A. N. 3233) (See p. 1070)
4247	Schj. 8	DM (14°) 1748	39 30	14 1	25.5	2.20	8.5... 9.0	1875.80	Δ 3	
4248	H 3299	DM (17°) 1765	39 32	17 31	234.7	15±	10 ... 11	1831+	H	
4249	Σ 1135	π Geminorum	39 46	33 43	211.7	22.60	4.9... 11.0	1831.25	Σ 4	A and B
					339.9	93.98	...(15)	1823.16	Sh 2	A and C
4250	Σ 1138	2 Navis	39 58	-14 24	339.2	16.53	6.2... 7.0	1829.55	Σ 3	White
4251	Innes 392	....	40 1:	-30 18	1.8	0.88	....	1901.09	I 1	(M. N. LXII, 474)
4252	Ho 36	DM (25°) 1763	40 14	25 45	299.9	0.98	8.5... 8.5	1883.19	Ho 1	
4253	Σ 1137	DM (4°) 1816	40 15	4 25	132.7	2.80	8.0... 9.0	1828.86	Σ 3	Yel'sh: blue
4254	H 2416	SD (8°) 2060	40 20	- 8 14	121.9	4±	11=11	1830+	H	9.3 m. in SD.
4255	A.G. Clark 2	W ² VII ^b . 1131	40 30	28 59	114.9	0.81	8.0... 11.0	1879.03	β 1	
4256	Σ 1141	DM (0°) 2079	40 53	0 19	8.9	17.66	8.0... 8.7	1831.24	Σ 2	White
4257	H 60	....	40 58:	12 20:	45±	4±	13 ... 14	1820+	H	
4258	S 560	DM (29°) 1615	41 0	29 4	359.4	90.60	6 ... 12	1825.07	S 2	
4259	Σ 1139 rej.	DM (37°) 1778	41 14	37 25	351.0	30±	10 ... 10	1831+	H	From H (vi). 8.3 m. in DM.
4260	β 1062	82 Geminorum	41 23	23 26	32.3	4.06	6 ... 13.5	1889.10	β 3	
4261	Σ 1140	L 15155	41 26	18 38	273.9	6.16	6.8... 8.5	1829.23	Σ 3	Yel.: very blue
4262	Σ 1144	W ² VII ^b . 1155	41 32	28 52	357.9	7.97	8.0... 10.0	1829.27	Σ 4	8.0 white
4263	H 429	....	41 38	31 35	315±	6±	11 ... 12	1820+	H	
4264	Σ 1142	DM (13°) 1770	41 40	13 43	275.9	24.36	8.0... 10.4	1829.47	Σ 4	8.0 yel'sh
4265	Σ 1136	DM (65°) 599	41 40	65 12	248.5	11.61	7.3... 11.0	1830.65	Σ 3	7.3 very yel.
4266	Σ 1143	DM (5°) 1790	41 41	5 42	152.0	9.34	7.0... 11.0	1825.21	Σ 1	7.0 yel.
4267	H 62	....	41 48:	- 5 24:	235±	30±	....	1820+	H	"An elegant triple star δ "
4268	H 3300	....	41 59	14 54	66.8	6±	10 ... 12	1831+	H	"A third star 60" same line"
4269	Σ 1146	5 Navis	42 19	-11 54	17.5	3.33	5.3... 7.4	1831.83	Σ 6	Yel'sh: blue
4270	Hu 52	SD (11°) 2105	42 19	-11 41	90.3	3.22	9.2... 13.5	1900.03	Hu 1	(A. J. 480)
4271	Δ 334	SD (4°) 2092	42 26	- 4 29	115.8	0.23	8.5... 9.4	1902.60	A 2	(Bul. L. O. No. 29)
4272	H 63	....	42 30:	- 0 14:	300±	12-15	13=13	1820+	H	
4273	H 2417	42 38	56 51	290.0	3±	11=11	1830+	H	
4274	H 61	DM (6°) 1788	7 42 46	6 23	175±	7±	10 ... 11	1820+	H	

Within 121° of the North Pole

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Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
4275	OΣ (App) 88	W ² VII ^b . 1250	7 ^h 42 ^m 47 ^s	0° 58'	5° 1	56.88	7.5... 8.0	1875.47	Δ 2	Δ (I)
4276	H 4003	Cord. DM (23°) 6228	42 49	-23 53	127.8	15±	9½... 10	1837.1	H	
4277	H 65	DM (13°) 1778	42 59	13 3	60±	5±	10 ... 15	1820+	H	
4278	H 64	....	43 :	- 0 17:	315±	12-15	13 = 13	1820+	H	
4279	Ho 37	DM (-1°) 1847	43 55	- 1 58	177.3	1.50	8 ... 8	1882.23	Ho 1	
4280	Σ 1147	W ² VII ^b . 1197	43 5	24 50	162.3	2.46	9.0... 9.0	1830.73	Σ 4	White
4281	See 86	o Argus	43 6	-25 38	198.0	27.69	5.4... 13.9	1897.83	See 1	
4282	H 3301	W ² VII ^b . 1193	43 8	37 31	67.2	22±	8 ... 16	1831+	H	"Very difficult"
4283	Σ 1149	DM (3°) 1803	43 13	3 31	40.3	22.02	7.3... 9.0	1830.55	Σ 3	Yel.: wh.
4284	Σ 1145	DM (39°) 2017	43 15	39 8	56.8	1.29	8.2... 11.0	1830.93	Σ 3	
4285	S 561	Cord. G. C. 10197	43 24	-25 29	2.0	50.90	10 ... 11	1825.15	S 2	
4286	OΣ (App) 89	W ² VII ^b . 1204	43 29	31 55	82.8	76.72	6.3... 7.0	1875.78	Δ 3	Δ (I)
4287	H 2418	DM (20°) 1919	43 38	20 19	215.5	20±	9 ... 9+	1830+	H	
4288	H 2419	....	43 47	-28 53	99.5	6±	11-12... 12	1830+	H	
4289	H 3302	....	43 54	15 57	332.1	13±	9-10... 11	1831+	H	
4290	β 1063	ξ Argus	44 15	-24 34	188.7	4.63	4 ... 13.8	1889.12	β 3	
4291	H 66	....	44 27:	- 3 18:	155±	30±	9 ... 11	1820+	H	
4292	See 87	L 15304	44 29	-19 54	144.5	4.47	6 ... 14.8	1897.83	See 1	
4293	Ho 248	DM (21°) 1702	44 35	21 22	96±	18±	9 ... 12	1887.20	Ho	
4294	Innes 186	O. Arg. S. 7505	44 39	-30 15	198.7	1.02	8.3... 8.6	1901.54	I 2	
4295	H 430	....	44 43	34 15	180±	15±	10 ... 11	1820+	H	
4296	H 431	....	44 43	30 7	50?	2±	11 = 11	1820+	H	
4297	A. G. 144	DM (22°) 1797	44 46	22 34	330.3	11.10	9.0... 10.5	1902.20	Cg 3	
4298	H 4007	Cord. DM (27°) 4599	44 52	-27 57	272.8	15±	9½... 9½	1835.1	H	
4299	Σ 1152	SD (2°) 2316	44 58	- 2 49	312.9	5.81	8.2... 9.9	1830.72	Σ 4	S.s. yel.
4300	Hd 109	....	45 :	-23 0:	100±	1.5±	8 ... 10.5	1881.20	Hd	"Suspected"
4301	H 67	....	45 3:	12 6:	245±	5±	12 ... 13	1820+	H	
4302	β 1195	L 15331	45 35	- 9 6	81.4	0.46	7.3... 7.6	1891.00	β 3	
4303	Hd 110	O. Arg. S. 7528	45 43	-23 52	sp	2±	8 ... 10	1869.08	Hd	
4304	Σ 1153	DM (12°) 1698	45 54	12 20	357.5	19.88	9.0... 9.2	1827.71	Σ 2	
4305	β 1319	Cord. DM (23°) 6349	45 57	-23 55	242.4	0.93	9.8... 9.8	1903.23	β 2	A and B
					246.9	7.38	9.1... 10.4	1903.23	β 2	C and D
					4.6	147.98	....	1903.23	β 2	A and C
4306	H 5471	....	46 1	25 46	sf	4±	....	1823+	H	} "Two pretty close double stars in the same field"
4307	H 5472	....	46 2	25 47	nf	4±	....	1823+	H	
4308	Σ 1148 rej.	DM (71°) 432	46 3	71 4	....	Cl. IV	8-9... 11	....	Σ	
4309	Σ 1154	SD (2°) 2322	46 7	- 2 45	357.9	2.26	7.7... 9.9	1827.70	Σ 4	Yel.: purplish
4310	β 101	g Argus	46 13	-13 35	289.7	0.58	5.6... 6.7	1875.24	Δ 2	
4311	H 432	DM (21°) 1708	46 17	21 9	270±	9±	9 = 9	1820+	H	
4312	OΣ 182	L 15349	46 24	3 42	47.0	1.09	7.0... 7.5	1853.43	OΣ 6	
4313	Hu 711	DM (48°) 1585	46 26	48 28	199.1	4.16	7.8... 12.5	1903.02	Hu 1	
4314	Hu 712	DM (51°) 1372	46 26	51 49	149.2	1.23	8.8... 13.0	1903.02	Hu 1	
4315	A. G. 145	DM (9°) 1799	46 33	9 25	246.6	5.67	9.2... 9.6	1895.34	Lp 1	
4316	Hu 53	SD (11°) 2133	46 41	-11 21	9.6	0.34	8.5... 8.5	1900.03	Hu 1	(A. J. 480)
4317	H 768	....	46 42	28 13	305±	4±	12 ... 13	1820+	H	
4318	H 2420	....	46 48	- 6 45	341.9	5±	11 ... 11+	1830+	H	
4319	H 68	....	46 51:	- 2 58	90±	12-15	10 ... 11	1820+	H	
4320	H III. 28	L 15389	46 53	-13 33	....	8±	....	1781.	H	
4321	Weisse 16	W ² VII ^b . 1282	46 56	41 53	....	....	9 ... 9-10	....	....	"Duplex 20" in W ²
4322	OΣ 183 rej.	DM (16°) 1580	47 8	16 21	....	12	7 ... 11	....	OΣ	
4323	H 2421	....	47 8	-27 30	41.8	8±	10 ... 11	1830+	H	
4324	Σ 1155	DM (26°) 1673	47 10	26 29	342.5	14.69	8.0... 10.7	1827.27	Σ 2	S.s. yel.
4325	Weisse 17	W ² VII ^b . 1314	47 16	15 16	....	....	8.9...	....	....
4326	....	SD (13°) 2277	47 26	-13 45	162.5	41.84	7 ... 12	1901.18	β 2	A and B
					145.9	4.16	... 12	1901.20	β 1	B and C
4327	H 769	SD (9°) 2269	7 47 35	- 9 55	250±	7±	10-11... 17	1820+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
4328	A 537	SD (9°) 2270	7 ^h 47 ^m 42 ^s	- 9° 39'	70° 8	1' 15	9.0...11.8	1903.68	A 3	(<i>Bul. L. O. No. 50</i>)
4329	H 3303	DM (35°) 1707	48 3	35 50	36.5	7±	10 ...13	1831+	H	9.5 in DM
4330	H ₀ 249	W ² VII ^b . 1331	48 3	21 59	204.3	2.90	8 ...13	1887.21	H ₀ 2	(<i>A. N. 2977</i>)
4331	H 69	....	48 14:	11 37:	230±	25±	9 ...11	1820+	H	
4332	H 70	....	48 20:	11 37:	295±	3±	13=13	1820+	H	
4333	Σ 1157	L 15431	48 31	- 2 29	267.3	1.59	8.0... 8.0	1831.20	Σ 3	White
4334	H 4013	L 15453	48 44	-18 1	199.7	12±	7½...13	1836.1	H	"Points to a third"
4335	Σ 1156	W ² VII ^b . 1346	48 47	24 59	158.5	18.64	8.0...10.2	1827.28	Σ 2	8.0 <i>yel'sh</i>
4336	Hu 54	SD (12°) 2204	48 59	-12 31	9.4	1.68	8.5... 8.8	1900.04	Hu 3	(<i>A. J. 480</i>)
4337	H 4015	SD (17°) 2222	49 2	-17 29	221.8	20±	9=9	1836.1	H	B=SD (17°) 2221
4338	Σ 1151	DM (77°) 309	49 16	77 7	223.0	3.58	8.7...10.2	1832.34	Σ 3	
4339	A. G. 146	DM (50°) 1495	49 22	50 35	285.2	3.14	9.1... 9.1	1900.12	Es 2	
4340	Ma 4	W ² VII ^b . 1361	49 23	15 25	96.8	5.87	8.5... 8.5	1843.14	Ma 1	
4341	Σ 1158	DM (22°) 1813	49 26	22 12	333.0	7.53	8.8...10.0	1829.88	Σ 3	
4342	Hn 92	SD (16°) 2188	49 28	-16 20	214.5	1.88	8.8...11.0	1888.50	Com 3	
4343	H 2422	DM (1°) 1949	49 37	1 28	62.1	20±	10 ...10	1830+	H	9.3 m. in DM
4344	H 71	SD (3°) 2122	49 41	- 3 9	225±	15-20	9 ... 9½	1820+	H	
4345	H 433	....	50 3	23 58	....	....	....	....	....	No description
4346	H ₀ 250	W ² VII ^b . 1371	50 3	21 17	160±	0.5±	7 ... 9	1887.22	H ₀	A and B } (<i>A. N.</i> A and C } 2977). (See p. 1070)
4347	A 538	SD (6°) 2368	50 11	- 6 7	199.0	0.73	8.5... 9.0	1903.81	A 2	(<i>Bul. L. O. No. 50</i>)
4348	H 1159	....	50 17	9 52	320±	4±	16 ...17	1828+	H	
4349	Σ 1162	W ² VII ^b . 1464	50 41	13 32	329.5	9.02	7.8... 9.7	1829.53	Σ 3	7.8 <i>yel'sh wh.</i>
4350	Hd 111	....	50 51:	-19 19	170±	8±	8½... 8½	1870.08	Hd	
4351	H 434	....	50 56	-21 23	120±	15±	9 ...10	1820+	H	Probably DM (21°)
4352	Σ 1163	....	51 :	24 58:	160.7	18.35	7.7... 9.7	1828.28	Σ 2	(See Σ 1156)
4353	Σ 1161	DM (47°) 1510	51 3	46 57	193.4	2.49	7.8... 9.7	1830.61	Σ 3	7.8 <i>white</i>
4354	See 90	Cord. DM (22°) 5387	51 6	-22 2	328.1	2.44	8.1...13.5	1897.85	See 1	(<i>A. J. 431</i>)
4355	OΣ 185	L 15522	51 6	1 27	23.5	0.39	6.8... 7.0	1847.29	OΣ 3	
4356	Hd 112	....	51 22:	-18 32:	<i>nf</i>	10±	9 ...13	1869.14	Hd	
4357	Σ 1160	DM (57°) 1117	51 41	57 16	32.6	6.46	8.0...11.2	1830.97	Σ 3	8.0 <i>yel.</i>
4358	Σ 1167	DM (16°) 1599	51 43	16 47	227.9	12.01	8.7...10.7	1830.73	Σ 2	
4359	Sh 86	<i>Ursae Majoris</i> 2	51 46	63 25	83.2	46.65	7 ... 8	1823.15	Sh 1	
4360	H 770	....	52 2	9 38	275±	3±	10-11...11	1820+	H	
4361	Sh 87	14 <i>Canis Minoris</i>	52 8	2 33	65.7	76.02	6 ... 9	1822.14	Sh 1	A and B }
					152.8	112.16	...10	1822.14	Sh 1	A and C }
4362	H 771	SD (15°) 2151	52 10	-15 59	135±	6±	9 ...10	1820+	H	
4363	Σ 1168	<i>Canis Minoris</i> 54	52 20	5 57	214.7	5.86	8.0...11.8	1831.22	Σ 3	8.0 <i>very wh.</i>
4364	β 902	L 15575	52 22	-10 34	247.1	1.33	8.0...11.0	1879.18	β 1	
4365	Σ 1165	DM (54°) 1189	52 41	54 57	265.3	0.73	8.0...10.3	1831.94	Σ 3	8.0 <i>white</i>
4366	Σ 1159 <i>rej.</i>	DM (72°) 394	52 45	72 8	....	Cl. IV	7-8... 9-10	....	Σ	
4367	H 72	....	52 54:	4 34:	185±	15±	10 ...11	1820+	H	
4368	H 3305	DM (37°) 1814	53 2	37 13	226.1	3±	9-10...10	1831+	H	
4369	Σ 1170	W ² VII ^b . 1524	53 2	14 1	95.7	2.15	8.3... 8.3	1830.57	Σ 3	White
4370	H 73	....	53 6:	- 0 20:	285±	10±	11 ...13	1820+	H	A and B }
					345±	10±	...15	1820+	H	A and C }
4371	H 4022	SD (21°) 2197	53 20	-21 9	7.5	15±	9 ...10	1834+	H	8.5 m. in SD
4372	Hu 222	SD (12°) 2259	53 38	-13 0	281.0	3.15	8.5...12.0	1900.22	Hu 1	(<i>A. J. 494</i>)
4373	Hn 93	SD (10°) 2319	53 40	-10 8	187.4	1.00	9.2...10.2	1888.90	Com 3	
4374	H 75	....	53 45:	- 2 52:	270±	25±	10=10	1820+	H	
4375	Σ 1164 <i>rej.</i>	O. Arg. N. 8492	53 49	68 44	344.6	26.35	8.0...10.3	1904.02	β 2	
4376	H 74	....	53 50:	-11 58:	280±	2-3	11 ...12	1820+	H	
4377	Σ 1171	<i>Cancer</i> 5	53 51	23 55	338.6	2.80	6.2...10.7	1828.95	Σ 3	6.2 <i>yel.</i>
4378	H II. 101	....	54 :	64 3:	327.2	....	....	1783.73	H	
4379	H 772	....	54 0	35 46	35±	5±	11 ...12	1820+	H	"A red star at 120", dist. 2"
4380	H 3306	7 54 3	1 47	186.4	7±	9-10...15	1831+	H	"The <i>sf</i> and larger of two"

Within 121° of the North Pole

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Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
4381	Hn 94	L 15649	7 ^h 54 ^m 14 ^s	-13° 31'	279° 3	3' 10	8.7...11.0	1888.80	Com 3	
4382	H 2423	W ² VII ^b . 1469	54 17	19 55	262.6	5±	8-9...16	1830+	H	(= Ho 348)
4383	H VI. 75	ω ² Cancri	54 30	25 25	300±	75±	....	1782.1	H	A and B }
					....	100±	....	1782.1	H	A and C }
4384	Σ 1173	DM (17°) 1733	54 32	17 17	50.1	9.81	8.0... 9.7	1830.23	Z 3	8.0 white
4385	H 2425	SD (8°) 2177	54 40	- 8 18	227.8	8±	10 ...13	1830+	H	
4386	H 435	DM (25°) 1817	54 42	25 52	295±	12±	10=10	1820+	H	
4387	H 3307	DM (17°) 1737	55 0	17 22	354.4	18±	9-10...12	1831+	H	
4388	Σ 1172	DM (55°) 1242	55 11	55 5	242.0	1.62	7.6... 9.4	1829.79	Z 4	7.6 yellow wh.
4389	H 4024	Cond. G. C. 10548	55 16	-29 11	82.5	12±	9 ...10	1837.1	H	
4390	Hu 713	DM (49°) 1699	55 17	49 38	129.2	4.78	9.0... 9.0	1903.02	Hu 1	
4391	Hu 223	SD (13°) 2343	55 22	-13 26	212.1	0.82	8.6...12.5	1900.23	Hu 2	(A. J. 494)
4392	H 437	....	55 39	20 38	90±	8±	11 ...12	1820+	H	
4393	H 76	....	55 43	10 59	80±	4-5	11 ...12	1820+	H	"Neat double star"
4394	H 436	....	55 45	35 20	87±	12±	11 ...12	1820+	H	
4395	A 539	SD (3°) 2176	55 52	- 3 13	26.9	0.51	8.4... 8.7	1903.04	A 3	(Bul. L. O. No. 90)
4396	Ho 349	W ² VII ^b . 1602	55 53	12 47	226.2	9.97	8 ...13	1891.76	Ho 2	A and B }
					290.5	63.22	...12	1891.76	Ho 2	A and C }
4397	H 77	....	56 0	- 0 39	360±	40±	10 ...12	1820+	H	A and B }
					255±	5±	...11	1820+	H	B and C }
4398	H 2424	Rad ² . 2073	56 0	59 35	149.6	30±	7-8...12	1830+	H	
4399	OZ 186	L 15673	56 1	26 36	74.1	0.79	7.5... 8.2	1847.88	OZ 5	
4400	Σ 1174	DM (47°) 1522	56 5	47 38	215.0	5.67	8.0... 8.5	1830.91	Z 3	White
4401	A 540	SD (2°) 2384	56 5	- 2 27	325.7	1.16	8.7...12.5	1903.04	A 3	A and B }
					10.3	22.88	...14.0	1903.04	A 1	A and C }
					272.5	24.00	...13.5	1903.04	A 1	A and D }
4402	Σ 1175	DM (4°) 1882	56 6	4 29	204.6	2.37	7.8... 9.7	1831.24	Z 5	Yellowish bluish
4403	β 333	Argus 269	56 7	-22 0	45.4	1.44	7.0...10.2	1879.09	Cin 4	A and B }
					73.5	42.15	7.7... 7.7	1885.66	W 2	A and C }
4404	H 773	....	56 8	- 8 7	315±	3±	11 ...12	1820+	H	
4405	β 23	DM (3°) 1876	56 14	3 26	177.0	2.81	8.2...12.0	1875.54	d 2	
4406	OZ 187	L 15679	56 29	33 22	306.9	0.47	6.9... 7.5	1844.02	OZ 4	White
4407	H 438	DM (31°) 1722	56 38	31 56	135±	20±	9 ...11	1820+	H	
4408	Ho 350	W ² VII ^b . 1627	56 51	12 31	189.3	4.20	7.7...11.8	1891.25	Ho 2	(See p. 1070)
4409	β 202	O. Arg. 8. 7850	56 59	-26 53	164.8	8.18	7.5... 9.0	1876.09	β 1	A and B }
					77.1	19.37	...13.6	1897.85	See 1	A and C }
					239.2	29.43	...12	1897.85	See 1	A and D }
4410	H 78	....	57 5	- 3 21	160±	12±	11 ...12	1820+	H	
4411	Howe 19	O. Arg. 8. 7857	57 6	-26 55	320.7	2.04	8.0...11.0	1877.13	Cin 1	
4412	See 95	SD (19°) 2205	57 12	-19 59	191.6	13.84	6.5...14.9	1897.83	See 1	
4413	β 203	O. Arg. 8. 7874	57 41	-27 13	242.5	7.15	7.7... 8.5	1876.11	Cin 7	
4414	β 581	L 15743	57 43	12 38	176.9	0.40	8.0... 8.0	1878.15	β 2	A and B }
					185.3	4.76	...10.5	1878.13	β 3	AB and C }
4415	H 2426	L 15758	57 44	- 7 50	145.0	25±	8-9...12	1830+	H	
4416	Σ 1178	W ² VII ^b . 1672	57 47	-12 52	330.1	4.79	9.0... 9.0	1831.20	Z 3	
4417	Σ 1169	O. Arg. N. 8525	58 1	79 52	10.0	20.74	7.6... 7.9	1832.25	Z 4	Yellowish wh.: wh.
4418	β 582	DM (12°) 1760	58 6	12 25	59.8	3.76	...12.0	1878.39	β 2	B and C }
					205.2	17.91	8.5... 8.5	1829.73	Z 2	A and B }
4419	Σ 1176	W ² VII ^b . 1553	58 8	42 20	27.8	22.30	7.7... 9.3	1830.97	Z 3	7.7 white
4420	β 903	L 15768	58 9	- 1 31	33.7	1.47	7.8... 9.3	1879.60	β 5	
4421	Σ 1177	Cancri 17	58 16	27 52	354.7	3.51	6.5... 7.4	1828.27	Z 4	Very wh.: ashy wh.
4422	Howe 20	Cond. DM (30°) 5525	58 38	-30 24	45.9	12.26	8.0...10.2	1877.12	Cin 2	From Cin 4
4423	H 4037	....	58 39	-27 12	337.7	12±	8½...11	1834+	H	"80 or 100 stars in the field."
4424	A 541	SD (2°) 2412	58 42	- 2 29	267.8	1.25	8.7...11.3	1903.04	A 3	(Bul. L. O. No. 90)
4425	Σ 1181	DM (8°) 1963	58 55	8 32	140.3	5.18	8.0... 9.5	1830.23	Z 3	Yellowish bluish
4426	Σ 1182	Canis Minoris 61	7 59 1	6 10	72.6	4.39	7.0... 9.0	1831.23	Z 3	7.0 wh.

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
4427	Σ 1180 <i>rej.</i>	DM (34°) 1745	7 ^h 59 ^m 2 ^s	34° 15'	253° ±	20" ±	9 ... 11	1830+	H	From H (V)
4428	A. G. 147	A. G. Leiden 3393	59 9	33 23	139.9	11.10	8.7... 9.2	1902.83	β 2	
4429	H 2428	DM (49°) 1705	59 20	49 36	48.6	12 ±	9 ... 12	1830+	H	
4430	H 79	....	59 21:	- 3 30:	55 ±	5 ±	11 = 11	1820+	H	"A 9 m. star 5 th f."
4431	H 774	....	59 24	- 2 5	330 ±	10 ±	10 ... 11	1820+	H	
4432	Espin 70	27 <i>Lyncis</i> .	59 25	51 51	265.8	47.7	4.5...	1901.	Es	A and B } (A. N. 3784)
					248.4	7.5	12.5... 13.0	1901.	Es	B and C }
4433	A 542	SD (3°) 2206	59 34	- 3 28	1.6	2.28	8.8... 14.0	1903.04	A 2	(Bul. L. O. No. 50)
4434	H 775	....	59 45	- 15 29	170 ±	5 ±	10 ... 11	1820+	H	
4435	A. G. 148	DM (-1°) 1949	59 47	- 1 25	178.7	6.75	9.5... 9.5	1902.18	β 2	
4436	H 4041	L 15859	59 49	- 22 5	179.3	3 ±	7 ... 15	1837.1	H	
4437	Ho 351	W ² VII ^h . 1613	8 0 0	21 14	234.1	1.98	7.0... 11.7	1892.26	Ho 2	
4438	Weisse 18	W ² VII ^h . 1609	0 7	31 54	....	....	9 ...	....	....
4439	H 80	DM (12°) 1771	0 30	12 39	105 ±	20 ±	10 ... 12	1820+	H	
4440	A 543	SD (8°) 2221	0 41	- 8 54	325.6	1.22	8.5... 12.2	1903.90	A 3	B and C }
					326.3	30.97	5.5... 7.8	1831.25	Σ 3	A and B }
					20.1	14.28	... 14	1903.90	A 2	B and D }
4441	A. G. 149	DM (7°) 1919	0 43	7 44	238.0	6.01	9.6... 9.6	1895.34	Lp	
4442	H 776	....	0 52	- 7 43	225 ±	4-5	11 ... 13	1820+	H	
4443	A 544	SD (2°) 2430	0 52	- 2 38	73.4	1.95	8.8... 11.0	1903.04	A 3	(Bul. L. O. No. 50)
4444	Σ 1185	W ¹ VII ^h . 1760	0 55	1 42	102.4	3.48	8.8... 9.7	1830.90	Σ 3	8.8 white
4445	H 2427	....	1 4:	72 23	81.0	25 ±	9 ... 13	1830+	H	
4446	H 81	....	1 9:	- 2 38:	300 ±	20 ±	11 ... 12	1820+	H	
4447	Σ 1186	11 <i>Cancer</i>	1 29	27 50	218.8	3.17	7.1... 10.4	1828.26	Σ 5	7.1 <i>yel.</i>
4448	Σ 1184	DM (38°) 1870	1 30	38 13	340.4	27.14	8.0... 8.5	1829.78	Σ 2	<i>Yel'ish wh.</i> : wh.
4449	Dunlop 61	<i>Argus</i> 285	1 30:	- 28 48:	<i>sf</i>	....	6 ... 9	....	....
4450	Σ 1189 <i>rej.</i>	DM (-0°) 1913	1 48	- 1 0	....	III-IV	8 ... 12	....	Σ	From Cat. Nov.
4451	Σ 1188	DM (30°) 1651	1 54	30 42	201.3	15.85	8.0... 8.7	1827.28	Σ 3	<i>Very wh.</i>
4452	Σ 1187	<i>Lyncis</i> 85	1 54	32 34	71.0	1.61	7.1... 8.0	1829.50	Σ 5	<i>White</i>
4453	β 334	L 15933	2 3	- 21 42	332.4	2.38	8.0... 9.7	1877.14	Cin 2	
4454	H 3308	P VII ^h . 308	2 21	35 49	234.6	40 ±	5-6... 11	1831+	H	
4455	Hd 113	<i>p Argus</i>	2 26	- 23 58	<i>f</i>	....	....	1869.	Hd	
4456	Σ 1190	29 <i>Monocerotis</i>	2 34	- 2 38	104.2	31.58	6.0... 11.7	1827.17	Σ 3	A and B }
					244.4	67.06	... 8.5	1831.24	Σ 3	A and C }
4457	H 440	....	2 48	23 50	105 ±	8 ±	10 = 10	1820+	H	
4458	S 563	SD (19°) 2260	3 9	- 19 31	235.7	133.70	6 ... 7	1825.22	S 2	
4459	β 583	L 15959	3 18	- 6 21	68.5	1.82	8.5... 8.7	1878.10	β 1	
4460	Σ 1150 <i>rej.</i>	DM (86°) 116	3 40:	86 38	....	Cl. IV	8-9... 10	....	Σ	From Cat. Nov.
4461	H 2430	DM (53°) 1222	3 49	53 43	311.5	15 ±	8 ... 13	1830+	H	A and B }
					177 ±	3 ±	... 14	1830+	H	B and C }
4462	A. G. 150	A. G. Alb. 3218	3 49	4 24	28.3	4.73	9.0... 9.5	1903.20	M 2	
4463	Σ 1191	DM (19°) 1944	3 52	19 23	70.9	3.21	8.7... 9.2	1829.58	Σ 3	<i>White</i>
4464	Ho 352	L 15988	3 59	- 15 54	185.4	5.26	6.0... 12.7	1890.24	Ho 2	(A. N. 3233)
4465	H 2429	....	4 0	71 53	123.2	15 ±	11 ... 12	1830+	H	
4466	H 2432	SD (8°) 2250	4 2	- 8 51	68.8	15 ±	10 ... 11	1830+	H	"Triple"
4467	Σ 1194	DM (2°) 1892	4 14	2 16	323.0	3.04	8.7... 10.4	1831.97	Σ 4	8.7 wh.
4468	Espin 71	DM (53°) 1223	4 25	53 37	285.1	3.2	9.0... 9.1	1901.	Es	(A. N. 3784)
4469	O. Stone 18	O. Arg. S. 8124	4 40	- 26 47	260.9	3.49	8.5... 9	1876.66	Cin 2	
4470	H 82	....	4 43:	11 7:	70 ±	20 ±	11 = 11	1820+	H	
4471	H 777	DM (11°) 1776	4 55	11 2	357 ±	5 ±	10 ... 13	1820+	H	
4472	A 335	SD (4°) 2242	4 58	- 4 34	125.4	1.12	8.4... 9.2	1902.16	A 3	(Bul. L. O. No. 59)
4473	Hd 114	....	5 :	- 23 51	333.0	2 ±	8.5... 10	1870.18	Hd 1	
4474	Σ 1198	W ¹ VIII ^h . 64	5 4	1 37	157.5	33.05	8.0... 8.2	1829.48	Σ 3	<i>White</i>
4475	Σ 1195	DM (30°) 1660	5 10	30 49	330.2	8.63	8.3... 10.8	1827.95	Σ 3	A and B }
					153.0	21.78	... 13	1892.26	Ho 2	A and C }
4476	Σ 1197	DM (29°) 1713	8 5 18	29 54	102.6	1.65	8.2... 9.0	1829.25	Σ 3	<i>White</i>

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Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
4477	Σ 1196	ζ <i>Cancrī</i>	8 ^h 5 ^m 20 ^s	18° 1'	57° 6'	1.14	5.0... 5.7	1826.22	Z 3	A and B } <i>Yel.</i>
					154.7	5.30	... 5.5	1826.22	Z 3	A and C }
4478	A 545	SD (6°) 2498	5 23	— 6 51	249.2	3.48	8.0... 12.0	1903.86	A 2	(<i>Bul. L. O. No. 90</i>)
4479	H 2431	....	5 32	59 40	333.7	8±	10 ... 12	1830+	H	
4480	β 1064	19 <i>Argus</i>	5 39	—12 34	244.9	1.84	6 ... 12.5	1889.08	β 4	A and B }
					298.6	33.20	... 14.5	1898.29	A 2	A and C }
					256.0	70.17	... (10)	1826.65	S 2	A and D }
4481	Σ 1192	56 <i>Camelopardali</i>	5 43	60 45	256.1	2.88	6.8... 10.5	1832.00	Z 3	A and B } 6.8
					227.7	48.64	... 10.2	1832.00	Z 3	A and C } <i>white</i>
4482	H 2433	....	5 57	— 8 55	331.9	16±	9-10... 10-11	1830+	H	
4483	A. G. 151	A. G. <i>Liden</i> 3440	6 8	34 8	146.2	6.23	9.2... 9.2	1902.83	β 2	
4484	H 83	....	6 11:	4 50:	120?	20±	14 ... 15	1820+	H	
4485	H 84	....	6 11:	4 53:	240?	10±	13 ... 14	1820+	H	
4486	Σ 1201	W ^a VIII ^b . 96	6 21	9 56	179.9	6.42	8.0... 9.7	1831.57	Z 3	8.0 <i>wh.</i>
4487	H 441	DM (26°) 1747	6 25	26 5	75±	15±	9 ... 11	1820+	H	
4488	Ho 38	W ^a VIII ^b . 81	6 33	28 8	80.5	7.47	8 ... 13	1886.22	Ho 1	
4489	OZ 189	Rad ^a . 2109	6 34	43 24	292.6	4.13	6.7... 9.8	1846.46	OZ 5	6.8 <i>white</i>
4490	H 4050	SD (15°) 2310	6 35	—15 18	303.3	....	9 ... 9	1836.1	H	
4491	....	DM (27°) 1563	6 44	27 29	301.5	19.25	8.7... 10.5	1903.93	β 2	
4492	Σ 1202	P VIII ^b . 13	6 59	11 13	335.9	2.36	7.7... 9.8	1829.55	Z 3	7.7 <i>white</i>
4493	Σ 1199 <i>rej.</i>	DM (51°) 1399	7 0	51 10	359.1	28±	8-9... 12	1828+	H	
4494	β 204	L 16074	7 2	10 45	302.1	1.06	7.1... 10.1	1875.89	A 4	
4495	Hu 624	DM (33°) 1660	7 3	33 32	235.6	1.37	9.0... 13.0	1903.02	Hu 2	(<i>Bul. L. O. No. 57</i>)
4496	Pritchett	DM (16°) 1667	7 6	16 0	345.7	1.11	....	1881.31	Pt 1	
4497	Σ 1200	O. Arg. N. 8750	7 9	50 8	0.7	8.40	8.5... 8.5	1830.26	Z 3	<i>White</i>
4498	H 85	....	7 17:	— 1 1:	70±	15-20	11 ... 12	1820+	H	
4499	β 1243	<i>Cancrī</i> 37	7 19	18 2	344.7	1.40	7.1... 13	1891.23	β 2	A and B }
					301.7	64.60	....	1898.31	β 2	A and C }
4500	Σ 1203 <i>rej.</i>	DM (27°) 1567	7 25	27 32	237.5	18.95	8.4... 11.5	1903.96	β 2	
4501	Σ 1193	<i>Camelopardali</i> 176	7 28	72 47	85.2	44.37	6.0... 9.0	1831.81	Z 2	6.0 <i>very yel.</i>
4502	β 1244	DM (2°) 1904	7 31	2 21	50.3	0.74	7.9... 8.1	1891.23	β 3	
4503	H 778	....	7 31	— 1 37	135±	1½±	10 ... 11	1820+	H	(See p. 1071)
4504	Hu 115	SD (13°) 2439	7 35	—13 33	128.1	1.02	9.0... 10.0	1900.30	Hu 3	(<i>A. J. 485</i>)
4505	OZ 188	Rad ^a . 2105	7 42	75 11	194.0	10.60	6.7... 10.0	1847.30	OZ 3	<i>Yellow</i>
4506	H 2435	....	7 45	— 5 24	202.2	3±	10-11... 11	1830+	H	"In a fine cluster"
4507	β 904	SD (5°) 2435	7 52	— 5 23	81.3	3.12	8.4... 10.0	1880.16	β 4	
4508	Σ 1204	DM (38°) 1889	7 58	38 51	103.9	11.82	8.0... 9.0	1829.30	Z 2	
4509	Hd 115	....	8 :	— 5 25:	11.2	8.99	....	1868.25	Hd 1	
4510	Hd 116	....	8 :	— 5 25:	0.4	9.17	....	1868.25	Hd 1	
4511	Hd 117	....	8 :	— 5 25:	28.4	8.19	....	1868.25	Hd 1	
4512	H 779	....	8 4	—13 45	135±	....	....	1820+	H	A and B }
					310±	....	....	1820+	H	A and C }
4513	Σ 1206	DM (7°) 1945	8 15	7 32	199.0	13.23	9.0... 9.5	1830.90	Z 3	
4514	H II. 87	....	8 36:	— 6 20:	176.2	....	....	1783.18	H	
4515	H 2434	....	8 43	53 42	50.0	15±	10 ... 11	1830+	H	
4516	Σ 1207	DM (5°) 1918	8 54	5 55	191.2	10.51	8.0... 11.0	1830.73	Z 2	8.0 <i>wh.</i>
4517	β 1196	DM (60°) 1127	8 55	59 57	62.0	0.45	8.5... 10.5	1890.97	β 2	
4518	H 442	....	9 0	26 38	10±	6±	9 ... 10	1820+	H	
4519	Ho 524	W ^a VIII ^b . 147	9 4	19 4	343.7	3.88	8 ... 11	1894.27	Ho 2	(<i>A. N. 3557</i>)
4520	H 2436	....	9 11	14 16	169.9	16±	9-10... 13	1830+	H	
4521	Σ 1209 <i>rej.</i>	DM (8°) 2014	9 15	8 0	142.1	20.15	8.9... 9.1	1903.89	β 3	
4522	H 780	DM (34°) 1793	9 22	34 10	200±	10±	9-10... 10	1820+	H	A and B }
					190±	5±	....	1820+	H	B and C }
4523	H 2437	Ord. DM (29°) 5780	9 31	—29 26	43.5	20±	9-10... 10	1830+	H	8.7 m. in C. DM
4524	Σ 1210	L 16166	9 33	3 10	113.5	15.80	7.2... 9.5	1829.22	Z 2	7.2 <i>very wh.</i>
4525	A 546	SD (6°) 2531	8 9 39	— 6 45	68.1	0.25	9.1... 9.3	1903.90	A 3	(<i>Bul. L. O. No. 90</i>)

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
4526	Σ 1205	DM (56°) 1288	8 ^h 9 ^m 50 ^s	56° 49'	185° 5	0.78	8.5... 8.8	1831.96	Σ 3	
4527	Hu 625	DM (33°) 1670	9 57	33 12	350.9	1.78	8.8... 11.2	1903.02	Hu 2	(<i>Bul. L. O. No. 57</i>)
4528	H 2438	SD (19°) 2313	9 59	-19 37	50±	15±	9-10... 10-11	1830+	H	
4529	β 1065	β <i>Cancr</i>	10 0	9 33	294.7	29.14	3.5... 14	1889.11	β 3	
4530	H 781	W ^a VIII ^b . 164	10 3	26 44	315±	2½±	9 ... 10	1820+	H	Double in A. G.
4531	Σ 1211	L 16151	10 23	39 22	132.7	1.64	8.7... 9.2	1831.27	Σ 3	White
4532	Hd 118	Cord. DM (24°) 6697	10 23	-24 30	0±	1½±	9½... 9½	1869.80	Hd	
4533	Σ 1212	DM (31°) 1779	10 35	31 12	233.7	5.44	8.2... 9.7	1829.26	Σ 3	8.2 white
4534	H 782	SD (11°) 2297	10 37	-11 11	240±	10±	9-10... 10-11	1820+	H	
4535	H 86	....	10 56:	-4 26:	230±	10-12	12 = 12	1820+	H	A and B }
					95±	12±	... 18	1820+	H	A and C }
					245±	15±	... 15	1820+	H	B and D }
4536	H α 39	DM (27°) 1580	10 59	27 46	348.2	6.17	9 ... 10	1883.28	H α 1	(<i>A. N. 2778</i>)
4537	β 905	O. Arg. S. 8288	10 59	-15 57	12.2	3.75	7.8... 10.4	1879.72	β 4	(<i>See p. 1071</i>)
4538	β 102	L 16234	11 0	-8 39	121.5	3.08	7.0... 10.5	1875.41	β 3	
4539	β 454	O. Arg. S. 8295	11 4	-30 33	18.6	2±	8.0... 10.0	1877.30	β 1	A and B }
					287.5	19.12	... 14	1898.27	See 1	A and C }
4540	Hn 95	Cord. DM (28°) 5733	11 8	-28 25	168.3	3.73	9.0... 9.9	1888.93	Com 4	
4541	A 336	SD (5°) 2474	11 8	-6 2	347.0	4.30	8.4... 12.6	1902.20	A 4	(<i>Bul. L. O. No. 29</i>)
4542	Howe 21	L 16235	11 12	-2 51	249.0	1.49	7.5... 11.0	1879.27	Cin 1	From Cin ⁵
4543	A 337	SD (4°) 2288	11 19	-5 0	64.0	0.27	7.9... 8.2	1902.22	A 3	(<i>Bul. L. O. No. 29</i>)
4544	H 4070	L 16257	11 19	-14 47	103.5	30±	7½... 12	1836.2	H	
4545	β 906	L 16259	11 23	-15 52	187.1	3.45	8.2... 10.8	1879.97	β 4	
4546	H 87	....	11 26:	6 52:	260?	4±	10 ... 12	1820+	H	"Probably Σ 1213"
4547	Σ 1213	DM (6°) 1922	11 32	6 50	327.7	8.43	9.0... 11.5	1830.90	Σ 3	
4548	H 444	DM (20°) 2045	11 33	19 59	95±	30±	8 ... 9	1820+	H	
4549	G. Anderson 4	O. Arg. N. 8815	11 36	68 49	144.0	9.83	... 13	1902.23	β 2	A and B } 8.0 yel.
					321.7	19.72	8.0... 10.0	1831.40	Σ 2	A and C } $AC = \Sigma$ 1208
4550	O Σ (App) 91	W ^a VIII ^b . 207	11 50	35 25	225.7	92.49	6.6... 7.5	1875.24	β 3	
4551	Howe 22	Cord. DM (26°) 5810	12 26	-26 54	115.5	3.26	8.5... 9.0	1877.11	Cin 1	
4552	Hu 224	Rad ^r . 2126	12 26	47 48	314.8	4.32	7.0... 12.0	1898.92	Hu 3	A and B }
					167.0	38.66	7.2... 8.5	1867.96	β 3	A and C } $AC =$
					98.5	78.01	... 7.4	1967.99	β 3	A and D } $O\mathcal{Z}_{190}$
4553	Hu 626	DM (32°) 1717	12 35	32 41	153.6	3.36	8.0... 12.0	1903.02	Hu 2	(<i>Bul. L. O. No. 57</i>)
4554	H 2441	O. Arg. S. 8350	13 0	-19 54	145.2	10±	9-10... 13	1830+	H	A and B }
					151.8	10±	... 9-10	1830+	H	A and C }
4555	H 4072	SD (19°) 2348	13 10	-19 35	178.1	8±	8½... 13	1836.1	H	
4556	β 1320	DM (17°) 1820	13 12	17 23	0.2	4.80	9.5... 9.8	1904.02	β 3	A and BC } $AB =$
					173.3	0.41	10 ... 11	1904.04	β 1	B and C } Σ 1214
4557	H 88	DM (-0°) 1960	13 20	-0 22	130±	20±	9 ... 13	1820+	H	ref.
4558	H 2439	....	13 25	59 52	107.0	2½±	11 ... 14	1830+	H	"Difficult"
4559	H 2440	....	13 29	50 57	267.0	3±	12 ... 13	1830+	H	
4560	H 89	....	13 44:	12 55:	130±	20±	10 ... 11	1820+	H	
4561	β 576	L 16300	13 59	34 19	143.1	1.48	7.0... 13	1878.05	β 1	
4562	β 907	SD (12°) 2462	14 4	-12 27	57.8	0.82	8.5... 10.7	1879.74	β 2	
4563	Arg. 18	O. Arg. N. 8866	14 7	64 32	40±	15±	9 ... 9	....	β	
4564	H 783	DM (7°) 1960	14 11	7 1	70±	15±	9 ... 10	1820+	H	
4565	O Σ (App) 92	Rad ^r . 2128	14 14	57 48	177.9	57.91	7.5... 9.0	1875.95	β 3	
4566	H 445	DM (25°) 1907	14 26	25 46	177±	9±	9 ... 10	1820+	H	
4567	Σ 1215 <i>rej.</i>	....	14 33	1 49	348.8	14±	11-12... 12	1831+	H	
4568	A 338	SD (4°) 2306	14 43	-4 47	340.0	0.29	8.5... 8.5	1902.47	A 3	(<i>Bul. L. O. No. 29</i>)
4569	H 1160	....	15 10	47 9	155±	20±	9 ... 12	1828+	H	Probably DM (47°)
4570	Σ 1216	L 16375	15 15	-1 13	115.2	0.45	7.5... 8.2	1831.24	Σ 5	White
4571	H 4078	Cord. DM (23°) 7157	15 30	-23 43	132.9	12±	8½... 11	1835.2	H	
4572	A 547	A. G. Leiden 3501	15 34	30 25	238.0	1.68	9.0... 9.3	1903.32	A 3	(<i>Bul. L. O. No. 50</i>)
4573	A 548	A. G. Leiden 3502	8 15 35	30 55	256.7	2.28	8.8... 14.5	1903.34	A 2	(<i>Bul. L. O. No. 50</i>)

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
4574	H 90	....	8 ^h 15 ^m 39. ^s	- 3° 25'	135° ±	15" ±	....	1820+	H	A and B }
					320 ±	50 ±	....	1820+	H	A and C }
4575	H 2442	....	15 42	47 45	88.5	15 ±	11 ... 12	1830+	H	
4576	Σ 1217	DM (45°) 1576	15 56	45 21	241.0	29.80	7.2... 8.7	1830.29	Z 3	7.2 <i>yel'wh. wh.</i>
4577	Ho 525	DM (20°) 2070	16 6	20 24	150.5	0.39	8.5... 8.5	1895.30	Ho 2	A and B }
					155.3	37.08	... 12	1895.30	Ho 2	AB and C } (A. N. 3557)
4578	Σ 1218	DM (23°) 1944	16 22	23 34	269.0	4.34	8.5... 10.0	1831.03	Z 4	
4579	H 91	....	16 32:	12 28:	60 ±	15 ±	13 ... 14	1820+	H	
4580	Σ 1219	DM (8°) 2042	16 32	8 1	260.0	11.57	8.5... 8.5	1834.22	Z 3	White
4581	S 565	Rad'. 2132, 2133	16 35	42 24	164.8	73.04	7 ... 10	1824.67	S 2	
4582	Hn 116	SD (10°) 2495	16 51	-10 18	170.5	1.82	9.0... 9.4	1900.28	Hu 3	A and B }
					7.0	16.92	... 9.8	1900.26	Hu 2	AB and C }
4583	H 2443	DM (52°) 1306	17 11	51 58	324.4	12 ±	9-10... 14	1830+	H	
4584	A 549	SD (6°) 2566	17 15	- 6 26	145.2	4.20	8.5... 11.0	1903.86	A 2	(Bul. L. O. No. 50)
4585	Ho 526	Cord. DM (26°) 5940	17 22	-26 6	84.6	1.34	10 ... 10	1890.25	Ho 1	(A. N. 3557)
4586	H 3309	....	17 25	62 59	129.4	18 ±	9 ... 9-10	1831+	H	
4587	Ho 353	P VII ^b . 60	17 46	-25 58	223.5	32.21	6.0... 13	1890.25	Ho 2	
4588	OΣ 191 <i>rej.</i>	L 16452	17 52	20 32	191.0	37.50	7.0... 8.3	1867.69	Δ 3	White: blue
4589	Σ 1221	DM (14°) 1887	17 53	14 4	111.1	5.12	9.1... 10.3	1829.24	Z 6	
4590	Ho 527	Cord. DM (26°) 5951	17 53	-26 6	<i>sp</i>	10 ±	9 ... 12	1890.25	Ho	(A. N. 3557)
4591	Σ 1220	DM (24°) 1921	18 9	24 44	208.3	29.89	8.0... 9.5	1818.77	Z 2	Yel'wh. wh.
4592	H 446	DM (31°) 1810	18 18	31 28	350 ±	18 ±	9 ... 11	1820+	H	"Small star blue"
4593	β 1066	L 16489	18 31	9 49	187.7	2.25	6.8... 13.2	1889.12	β 3	
4594	Σ 1222	DM (38°) 1908	18 31	37 56	46.6	10.04	8.0... 9.0	1830.26	Z 2	White
4595	Espin 18	DM (42°) 1870	18 49	42 30	236.6	12.24	8.5... 9.2	1892.11	Es 1	(A. N. 3717)
4596	H 4088	Lac. 3298	18 52	-28 35	290 ±	25 ±	6 ... 11	1834+	H	γ m. in O. Arg. S.
4597	S 566	φ <i>Cancr</i>	19 10	28 17	21.8	120.94	6½... 11	1825.18	S 2	White
4598	Schj. 9	DM (6°) 1951	19 24	6 21	150.2	3.69	10.2... 10.5	1873.74	Δ 2	
4599	Hn 714	DM (32°) 1731	19 26	32 35	57.6	0.38	8.5... 9.0	1902.77	Hu 1	
4600	W V. 109	<i>Cancr</i> 64	19 29	7 57	325.0	35.40	6 ... 12	1783.14	H 1	
4601	Σ 1223	φ ^a <i>Cancr</i>	19 32	27 20	212.0	4.56	6.0... 6.5	1829.45	Z 7	White
4602	Σ 1224	v ^a <i>Cancr</i>	19 32	24 56	37.3	5.84	6.0... 7.1	1830.76	Z 9	White
4603	H 2446	Cord. DM (30°) 6203	19 35	-30 15	103.5	20 ±	9 = 9	1830+	H	
4604	H 786	....	19 37	-15 50	315 ±	5 ±	11 ... 12	1820+	H	
4605	Schj. 10	DM (0°) 2294	19 38	- 0 1	....	45 ±	7.5... 9	....	....
4606	W VI. 118	30 <i>Monocerotis</i>	19 40	- 3 31	....	90.90	....	1783.11	H 1	
4607	Σ 1226	DM (4°) 1974	19 52	4 54	145.7	2.32	8.0... 10.6	1833.25	Z 4	8.0 wh.
4608	S 568	O. Arg. S. 8506	19 54	-23 39	85.0	40.63	6 ... 9	1825.16	S 3	
4609	β 1067	o <i>Ursae Majoris</i>	20 17	61 7	191.4	7.01	3.5... 15.2	1889.22	β 3	
4610	Σ 1227	DM (23°) 1960	20 21	23 33	163.4	24.64	7.5... 8.8	1828.94	Z 3	7.5 very wh.
4611	Σ 1228	W ^a VII ^b . 431	20 22	27 57	352.0	8.93	8.0... 8.5	1828.28	Z 2	Very wh.
4612	....	2 <i>Hydrae</i>	20 27	- 3 36	3.1	72.10	6.6... 10.4	1903.18	β 3	
4613	Σ 1229 <i>rej.</i>	DM (2°) 1972	20 33	2 49	120.6	20 ±	9-10... 12	1831+	H	From H (VI)
4614	H 448	W ^a VII ^b . 442	20 33	21 51	320 ±	25 ±	8 ... 9	1820+	H	"A neb. in the field a' dist."
4615	OΣ 193	L 16548	20 34	33 55	295.1	14.20	7.0... 11.0	1851.02	OΣ 4	
4616	Hn 715	DM (35°) 1828	20 37	35 28	185.9	2.57	8.5... 12.5	1902.77	Hu 1	
4617	Hn 96	SD (22°) 2265	20 39	-22 19	343.0	3.22	9.3... 11.3	1888.53	Com 3	
4618	H 2445	DM (52°) 1313	20 43	52 27	164.3	28 ±	8-9... 13	1830+	H	
4619	H 2444	....	20 47	60 0	33.3	5 ±	10 ... 14	1830+	H	"A third star so dist."
4620	Σ 1225	O. Arg. W. 9099	20 55	51 36	194.2	3.48	8.5... 8.5	1831.25	Z 3	White
4621	Ho 528	Cord. O. C. 11312	21 13	-31 47	<i>sp</i>	12 ±	7.2... 12	1894.18	Ho	(A. N. 3557)
4622	H 2448	DM (14°) 1896	21 35	14 2	297.7	18 ±	9-10... 11-12	1830+	H	
4623	Arg. 19	O. Arg. S. 8544	21 36	-21 15	270 ±	12 ±	9 ... 9	1875	β	
4624	Σ 1230	DM (17°) 1852	21 37	17 15	194.1	28.00	8.3... 10.0	1829.18	Z 3	8.3 wh.
4625	H 2449	....	21 38	-26 19	200.0	7 ±	11 = 11	1830+	H	
4626	H 92	....	8 21 41:	4 52:	....	15 ±	10 ... 11	1820+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
4627	A 550	SD (3°) 2356	8 ^h 21 ^m 41 ^s	— 4° 1'	189° 7	0.16	7.5... 7.5	1903.04	A 2	(Bul. L. O. No. 50)
4628	H 2447	....	21 46	52 36	270.6	18±	11 ... 14	1830+	H	
4629	H 93	DM (12°) 1846	21 53	12 36	285±	15±	10 = 10	1820+	H	
4630	H 5473	....	22 20	6 3	175±	5±	15 ... 16	1823+	H	
4631	H 2450	....	22 22	14 6	170±	....	9-10 = 9-10	1830+	H	
4632	Σ 1231	DM (31°) 1819	22 23	31 46	210.6	24.82	8.2... 8.7	1828.29	Σ 2	Very wh.
4633	H 787	W ¹ VIII ^h . 551	22 23	— 6 21	295±	20±	9 ... 11	1820+	H	A and B }
					260±	8±	... 11+	1820+	H	B and C }
4634	A 551	P VIII ^h . 81	22 26	— 2 7	59.7	0.24	7.4... 7.5	1903.04	A 3	A and B }
					331.5	18.20	7.2... 11.5	1828.71	Σ 2	AB and C } (AC = Σ 1233)
4635	A. G. 152	DM (20°) 2095	22 31	20 50	....	....	8.5...	....	....
4636	Weisse 19	W ² VIII ^h . 482	22 37	26 36	....	3±	7-8... 9	....	....
4637	H 450	DM (18°) 1950	22 46	18 22	295±	3±	10 = 10	1820+	H	"Neat double star"
4638	OΣ 192 ref.	Rad. ¹ 2146	22 50	75 8	233.3	1.83	6.5... 10.0	1871.11	A 5	6.5 yel.
4639	Arg. 20	O. Arg. S. 8579	23 15	— 17 8	172.4	15.30	8.2... 8.5	1877.15	Cin 2	
4640	H 2451	DM (23°) 1966	23 30	23 2	186.4	15±	10 ... 10-11	1830+	H	
4641	Hu 627	DM (35°) 1833	23 31	34 55	266.0	0.88	9.0... 10.0	1902.99	Hu 2	
4642	H 94	....	23 33:	— 3 36:	225±	15-20	11 = 11	1820+	H	
4643	Σ 1237	DM (8°) 2068	23 36	8 49	177.0	5.40	9.0... 11.8	1831.23	Σ 3	
4644	H 788	....	23 41	28 41	220±	4±	10 ... 10+	1820+	H	
4645	Σ 1234	DM (55°) 1284	23 51	55 46	71.3	20.76	7.0... 8.3	1831.01	Σ 3	7.0 yel.
4646	H 95	....	23 55:	5 52:	315±	25±	11 = 11	1820+	H	
4647	Hu 716	DM (35°) 1834	23 56	35 22	106.3	0.44	7.0... 8.5	1902.77	Hu 1	
4648	Σ 1236	DM (32°) 1746	23 57	32 20	116.9	35.79	8.0... 8.5	1828.30	Σ 2	White
4649	H 789	SD (9°) 2536	24 4	— 9 51	40±	5±	10 ... 12	1820+	H	{ "In the same field"
4650	H 790	SD (9°) 2540	24 13	— 9 50	210±	7±	11 ... 12	1820+	H	
4651	Σ 1238	DM (33°) 1705	24 23	33 33	319.6	29.74	8.0... 9.7	1828.29	Σ 2	8.0 white
4652	Σ 1232	DM (66°) 560	24 24	66 41	350.2	31.09	8.0... 8.2	1832.02	Σ 3	White
4653	H 4100	SD (17°) 2522	24 39	— 17 57	179.3	20±	9½... 11	1836.1	H	8.0 m. in SD
4654	Σ 1239	DM (37°) 1873	24 42	37 54	289.0	12.66	8.5... 9.8	1829.27	Σ 3	8.5 white
4655	H 2452	θ Cancri	24 45	18 30	61.3	60±	5-6... 10	1830+	H	Yellow: blue
4656	Σ 1235	DM (57°) 1152	24 47	57 20	79.8	1.09	8.0... 10.0	1831.95	Σ 3	8.0 white
4657	Hu 717	DM (32°) 1752	25 4	32 52	57.6	0.38	8.5... 9.0	1902.77	Hu 1	
4658	S 569	Cord. DM (25°) 6174	25 13	— 25 38	341.6	39.72	8 ... 10	1825.14	S 2	10 blue
4659	H 1161	DM (46°) 1413	25 14	46 20	30±	8±	10 ... 13	1828+	H	
4660	Σ 1240	L 16737	25 37	33 50	70.4	22.15	7.2... 10.2	1830.63	Σ 3	7.2 white
4661	H 452	....	26 0	29 53	315±	25±	....	1820+	H	"Points to a very faint neb. 5 ³ p."
4662	Σ 3119	W ¹ VIII ^h . 638	26 7	8 54	213.6	24.82	8.0... 11.0	1830.20	Σ 4	8.0 yel.
4663	Σ 1241 ref.	DM (6°) 1983	26 15	6 7	....	Cl. III	....	....	Σ	From Cat. Nov.
4664	H 96	Mū I 3290	26 16	— 0 32	20±	30±	9 ... 9	1820+	H	A and B } (See p. 1071)
					145±	40±	... 9	1820+	H	A and C }
4665	Σ 1242	DM (47°) 1594	27 36	47 32	170.5	2.54	8.6... 9.3	1832.51	Σ 5	White
4666	Σ 1243	W ² VIII ^h . 675	27 41	2 0	221.4	1.99	8.0... 10.3	1830.90	Σ 3	8.0 white
4667	H 97	DM (13°) 1942	27 48	13 18	275±	7-8	10 ... 10½	1820+	H	
4668	β 205	O. Arg. S. 8685	27 54	— 24 12	310±	0.5±	7 ... 7	1874.19	β	
4669	A. G. 153	A. G. Lund 4289	27 57	35 1	90.2	2.85	9.0... 9.1	1902.81	β 2	
4670	H 2453	SD (5°) 2572	27 58	— 5 38	90.0	10±	9 ... 13	1830+	H	"A third 10 m. p."
4671	Ku 31	DM (7°) 1996	28 1	7 36	15.5	6.00	9.6... 10.2	1901.67	Ku 2	Kustner (3821)
4672	Hu 117	SD (11°) 2388	28 13	— 11 48	2.2	1.50	8.5... 13.0	1900.21	Hu 2	(A. J. 485)
4673	H 2454	....	28 34	— 6 12	216.5	4±	11 = 11	1830+	H	
4674	H 791	....	28 40	32 58	55±	2½±	12 = 12	1820+	H	
4675	Σ 1246	W ¹ VIII ^h . 721	29 23	10 19	114.1	10.28	8.4... 9.4	1829.19	Σ 4	8.4 yel'sh
4676	H 2456	....	29 27	19 6	141.3	10±	11 ... 13	1830+	H	
4677	Σ 1245	P VIII ^h . 108	29 29	7 2	25.4	10.33	6.0... 7.0	1832.95	Σ 6	Yel'sh: yel'sh red
4678	OΣ (App) 94	W ¹ VIII ^h . 723	29 31	14 12	132.7	43.54	7.2... 7.7	1875.05	A 3	
4679	Σ 1244	DM (42°) 1903	8 29 38	42 13	5.8	3.58	8.2... 9.8	1831.93	Σ 3	8.2 yel'sh

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
4680	Σ 1247 <i>ref.</i>	DM (5°) 2006	8 ^h 29 ^m 43 ^s	5° 47'	15° 7'	27.96	9.6...10.5	1902.95	β 1	A and B }
					158.6	60.07	...10.5	1902.95	β 1	A and C }
4681	H 2458	....	29 49	3 56	326.1	15±	10 ...11	1830+	H	
4682	A. G. 154	A. G. Bertha B 3449	29 53	23 40	5.4	1.72	9.1... 9.3	1901.34	Ku 2	
4683	H 3310	DM (15°) 1855	30 4	15 30	67.7	8±	10 ...12	1831+	H	
4684	β 206	Card. G. C. 11565	30 17	-24 42	278.6	1.5±	8.0... 9.0	1874.19	β 1	
4685	H 2457	....	30 30	47 54	265.0	10±	10 ...12	1830+	H	} "Triple"
					289.7	23±	...13	1830+	H	
					341.4	4½±	10 ...12	1830+	H	
4686	H 2455	....	30 36	59 5	341.4	4½±	10 ...12	1830+	H	
4687	H 792	....	30 41	-11 11	100±	6±	11 ...15	1820+	H	
4688	Σ 1249 <i>ref.</i>	....	30 43	20 9	....	Cl. III	8 ... 8	....	Z	From Cat. Nov.
4689	H 454	W ² VIII ^b . 713	30 48	19 56	268±	30±	8 ...14	1820+	H	
4690	Hn 97	DM (14°) 1934	30 56	14 40	65.9	5.37	11.0...11.0	1888.27	Com 4	
4691	Innes 355	....	31 :	-20 43:	50±	0.8±	....	1900.3	I	(M. N. LXII, 475)
4692	H 453	DM (34°) 1874	31 0	34 54	105±	20±	9 ...20	1820+	H	
4693	Σ 1250	DM (52°) 1327	31 27	52 13	167.4	21.72	8.8... 8.8	1831.63	Z 3	White
4694	H 98	....	31 28:	- 2 1:	105±	2±	11 = 11	1820+	H	
4695	A 339	SD (5°) 2590	31 31	- 6 3	8.8	1.99	8.1...12.8	1902.21	A 3	(Bul. L. O. No. 29)
4696	Σ 1251	DM (41°) 1866	31 50	41 43	29.2	6.17	9.0... 9.7	1830.96	Z 3	
4697	Σ 1248	DM (62°) 1010	31 56	62 27	208.6	18.09	8.3... 8.8	1831.70	Z 3	Very wh.
4698	H 2459	....	31 57	23 31	237.2	3±	11 ...11-12	1830+	H	"A third 10 m. 60" n.p."
4699	H 99	L 17008	31 59	- 6 23	220±	80±	....	1820+	H	"Both large stars"
4700	Innes 68	Card. 8 ^h . 2571	32 1	-30 24	67.2	7.49	8.8...10.3	1902.17	I 2	
4701	S 570	B. A. C. 2906	32 13	20 6	83.5	57.52	8½... 9½	1825.15	S 3	A and B }
					344.7	177.98	... 9	1825.14	S 2	A and C }
4702	Σ 1252 <i>ref.</i>	DM (8°) 2097	32 24	8 36	51.2	18.33	9.5...10.0	1904.03	β 2	
4703	H 2461	SD (5°) 2597	32 34	- 5 21	96.9	15±	9-10 = 9-10	1830+	H	
4704	H 793	DM (35°) 1856	33 2	35 33	265±	8±	10 ...13	1820+	H	9.0 m. in DM
4705	β 584	P VIII ^b . 124	33 3	19 58	291.0	1.61	8.0...12.0	1878.05	β 2	A and B }
					157.0	45.04	7½... 8	1825.13	S 2	A and C }
					241.0	92.26	... 6	1825.13	S 2	A and D }
					87.9	99.72	....	1875.07	d 3	D and C }
4706	H IV. 60	....	33 12:	65 11:	....	30±	....	....	H	Place uncertain
4707	H 2460	DM (55°) 1290	33 15	55 2	28.8	20±	9 ...11	1830+	H	9.3 m. in DM
4708	β 207	L 17091	33 16	-19 19	103.6	4.32	6.5...10.5	1876.08	d 3	6.5 red
4709	Σ 1255	L 17050	33 20	6 12	31.1	26.56	7.0 ...8.0	1831.24	Z 3	Yellow wh.: wh.
4710	Σ 1254	P VIII ^b . 129	33 29	20 6	53.9	20.52	6.5... 9.0	1831.31	Z 3	A and B }
					342.2	63.36	... 7.0	1863.19	d 1	A and C }
					43.5	82.47	... 8.0	1863.19	d 1	A and D }
4711	S 574	e Cancri	33 34	19 58	249.0	132.80	6 ... 7	1825.13	S 2	
4712	H 3311	....	33 50	16 5	150.6	12±	11 ...11-12	1830+	H	
4713	S 572	W ² VIII ^b . 813	33 50	20 8	89.7	75.95	7 ... 9	1825.14	S 2	
4714	β 208	L 17103	33 53	-22 16	30.4	1.4±	6.0... 9.0	1874.19	β 1	
4715	β 585	Cancri 109	34 20	20 54	106.4	0.40	7.5... 9.0	1878.10	β 1	
4716	See 101	O. Arg. 8. 8828	34 21	-27 58	91.5	7.21	8 ...11.8	1897.83	See 1	
4717	Ku 32	DM (19°) 2078	34 26	19 42	172.1	2.13	8.4...10.2	1902.14	Ku 2	Kustner (3821)
4718	Σ 1256	DM (49°) 1758	34 29	49 44	212.3	25.49	7.8... 9.3	1830.26	Z 3	7.8 yellow
4719	H 4120	f Mali	34 43	-29 8	40±	50±	5½...11	1837.1	H	
4720	A 340	SD (5°) 2608	34 47	- 5 16	300.9	2.01	9.0...12.8	1902.21	A 3	(Bul. L. O. No. 29)
4721	Σ 1262	DM (24°) 1976	34 54	24 14	201.7	6.62	8.0...10.0	1830.24	Z 3	8.0 white
4722	Hn 118	SD (14°) 2612	34 54	-14 14	324.4	1.80	9.0...10.5	1900.00	Hu 3	(A. J. 485)
4723	Σ 1258	P VIII ^b . 131	34 56	49 18	331.4	9.62	7.1... 7.4	1830.75	Z 5	White
4724	Σ 1260	W ² VIII ^b . 891	34 59	-11 45	301.4	4.91	7.8... 8.3	1830.89	Z 3	White
4725	H 102	....	34 59:	- 1 46:	120±	6±	11 ...14	1820+	H	
4726	H 101	....	35 0:	11 21:	50±	4±	11 ...11+	1820+	H	
4727	Σ 1261	SD (11°) 2426	8 35 1	-11 30	301.9	29.84	7.5...10.2	1831.90	Z 3	7.5 yellow

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
4728	H 2462	DM (12°) 1891	8 ^h 35 ^m 6 ^s	12° 36'	20° ±	12" ±	9 ... 9-10	1830+	H	"P est. by diagram"
4729	H 103	....	35 17:	- 1 48:	295 ±	6 ±	11 ... 14	1820+	H	
4730	β 209	W ² VIII ^h . 849	35 24	39 14	355.4	1.56	8.4... 8.7	1875.77	d 4	
4731	Ho 354	W ² VIII ^h . 865	35 34	26 29	176.1	0.68	8.2... 8.8	1891.97	Ho 3	
4732	H 794	....	35 52	29 43	150 ±	4 ±	10 ... 11	1820+	H	
4733	Σ 1257 <i>rej.</i>	DM (65°) 658	35 58	65 53	....	Cl. IV	7 ... 11	....	Σ	
4734	H 4124	9 <i>Hydrae</i>	36 9	-15 31	122.8	35 ±	5 ... 14	1834+	H	
4735	Σ 1264	SD (7°) 2583	36 24	- 7 58	269.7	5.78	9.0... 9.0	1828.89	Σ 3	
4736	Σ 1253	DM (72°) 429	36 28	72 27	243.8	25.85	8.0... 10.0	1831.85	Σ 2	8.0 <i>yel'sh</i>
4737	H VI. 107	<i>Monocerotis</i> 201	36 35	- 8 4	150 ±	90 ±	....	1782	H	
4738	Ho 529	O. Arg. S. 7143	36 36	-17 0	343.0	0.44	7.6... 7.6	1894.17	Ho 1	(A. N. 3557)
4739	Ho 355	L 17186	36 54	- 2 16	184.4	0.39	8 ... 8	1892.75	Ho 2	(See p. 1071)
4740	H 455	DM (31°) 1870	37 4	30 55	350 ±	8 ±	9 ... 10	1820+	H	
4741	Σ 1266	DM (28°) 1640	37 12	28 53	63.5	23.46	8.0... 9.2	1830.51	Σ 4	8.0 <i>white</i>
4742	Σ 1265	DM (14°) 1963	37 14	14 3	311.4	5.85	8.4... 10.8	1829.94	Σ 4	
4743	Σ 1263	DM (42°) 1922	37 17	42 8	4.1	5.43	7.6... 8.2	1829.46	Σ 2	<i>Yel'sh wh.: wh</i>
4744	Kr 30	A. G. Hels. 5678	37 29	58 8	117.1	1.45	9.5... 9.5	1891.12	β 1	
4745	H 2463	....	37 39	-25 37	311.5	8 ±	10 ... 11	1830+	H	
4746	S 579	31 <i>Monocerotis</i>	37 46	- 6 48	308.6	77.92	6 ... 9	1824.02	S 2	
4747	H 457	δ <i>Canceri</i>	37 54	18 36	160 ±	25 ±	5 ... 15	1820+	H	
4748	A 552	SD (3°) 2454	38 4	- 3 46	49.2	0.24	7.5... 8.5	1903.04	A 2	(<i>Bul. L. O. No. 50</i>)
4749	H 2464	....	38 27	-27 49	355.3	12 ±	10 ... 11	1830+	H	
4750	H 104	....	38 32:	14 0:	255 ±	25 ±	10 ... 11	1820+	H	
4751	H 105	....	38 38:	13 42:	245 ±	20 ±	11 ... 12	1820+	H	
4752	A 553	A. G. Camb. 4681	38 40	29 27	70.4	2.44	9.0... 12.3	1903.16	A 3	(<i>Bul. L. O. No. 50</i>)
4753	Σ 1259	W ² VIII ^h . 937	38 51	38 56	340.9	4.97	8.5... 9.0	1829.94	Σ	<i>White</i>
4754	Σ 1267 <i>rej.</i>	DM (4°) 2034	38 54	4 39	60.5	12 ±	11 ... 11+	1830+	H	
4755	H 3312	....	38 59	16 40	183.5	3½ ±	12 = 12	1831+	H	
4756	Hd 119	....	39 :	-28 27	20 ±	1.5 ±	9 ... 11	1870.18	Hd 1	
4757	Kr 31	A. G. Hels. 5684	39 :	63 38	278.4	6.91	9.5... 9.8	1891.12	β 1	
4758	Ho 251	W ² VIII ^h . 953	39 3	25 45	151.1	3.73	8.5... 12.2	1887.28	Ho 2	
4759	H 795	....	39 4	-10 18	5 ±	3 ±	10-11... 12	1820+	H	
4760	Σ 1270	P VIII ^h . 160	39 17	- 2 10	259.1	4.70	6.6... 7.6	1830.98	Σ 4	<i>Yel'sh wh.: bluish</i>
4761	Σ 1269	DM (19°) 2000	39 21	19 41	128.2	11.48	9.5... 9.7	1827.73	Σ 2	<i>White</i>
4762	See 106	Cord. G. C. 11831	39 23	-23 21	224.4	17.47	6 ... 12	1897.83	See 2	A and B }
					333.0	3.24	....	1897.83	See 2	B and C }
4763	Σ 1268	ι <i>Canceri</i>	39 26	29 12	307.1	30.46	4.4... 6.5	1828.04	Σ 4	<i>Yel.: bluish</i>
4764	H 4131	DM (16°) 1814	39 34	16 15	144.2	20 ±	10 = 10	1836.2	H	
4765	H 2465	SD (4°) 2445	39 45	- 4 19	90.0	14 ±	10 ... 11	1830+	H	
4766	Hu 119	SD (13°) 2668	39 46	-13 40	356.5	2.80	8.4... 9.3	1900.24	Hu 3	(A. J. 485)
4767	H 458	DM (27°) 1667	39 53	27 11	305 ±	15 ±	9 ... 12	1820+	H	
4768	Doo —	....	40 0	56 38	242.8	38.84	9.0... 11.5	1898.30	Doo 1	A and B } (<i>Pub. Flower Obsy. I</i>)
					120.4	6.55	... 12	1898.30	Doo 1	A and C }
4769	H 796	SD (6°) 2718	40 2	- 6 17	140 ±	12 ±	9 ... 11	1820+	H	
4770	H 3313	DM (1°) 2163	40 9	1 5	57.5	35 ±	8 ... 11	1831+	H	7.3 m. in DM
4771	Schiaparelli	ε <i>Hydrae</i>	40 25	6 52	142.0	0.21	4.0... 5.5	1888.28	Sp 6	A and B }
					195.6	3.20	3.8... 7.8	1830.60	Σ 9	AB and C } AC = <i>blue</i>
					192.0	20.05	... 12.5	1878.60	β 2	AB and D } Σ 1273
4772	See 105	Cord. DM (26°) 1641	40 28	-26 42	116.7	22.99	7 ... 14.5	1897.85	See 1	A and B }
					146.2	22.98	... 14.5	1897.85	See 1	A and C }
					246.3	22.93	... 14.5	1897.85	See 1	A and D }
4773	Hu 120	SD (13°) 2670	40 30	-13 55	61.0	0.45	8.5... 8.8	1900.24	Hu 2	(A. J. 485)
4774	Σ 1276	L 17294	40 38	11 36	354.3	12.50	7.9... 8.1	1831.45	Σ 5	<i>White</i>
4775	Σ 1277 <i>rej.</i>	DM (9°) 2052	40 38	9 11	....	III-IV	9 ... 10	....	Σ	From <i>Cat. Nov.</i>
4776	Σ 1272	L 17271	40 44	35 3	342.8	20.33	7.7... 9.2	1831.30	Σ 2	7.7 <i>very wh.</i>
4777	Σ 1271	DM (56°) 1337	8 40 58	56 39	59.3	1.41	8.6... 9.7	1832.39	Σ 4	8.6 <i>yel'sh</i>

Within 121° of the North Pole

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Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
4778	Σ 1274	Lyncis 129	8 ^h 41 ^m 16 ^s	38° 47'	40° 8'	8'.89	7.0... 8.7	1830.26	Σ 2	Very wh.: ash
4779	H 4135	W ² VIII ^h . 1006	41 19	17 50	49.8	30±	7 ... 15	1836.2	H	
4780	Hu 458	DM (20°) 2219	41 20	20 5	197.9	1.56	9.0... 12.5	1902.34	Hu 2	(Bul. L. O. No. 21)
4781	Hu 121	SD (10°) 2642	41 22	-10 27	98.4	3.93	8.8... 11.8	1900.24	Hu 3	(A. J. 485)
4782	Σ 1281	DM (0°) 2393	41 26	0 28	329.6	25.02	7.8... 8.9	1833.48	Σ 5	Yel'sh wh.
4783	β 586	Monocerotis 237	41 49	-16 37	53.2	0.75	6.5... 9.0	1878.15	β 1	
4784	Kr 32	A. G. Hels. 5704	41 49	63 34	190.3	4.40	9.0... 9.0	1891.12	β 1	
4785	β 335	L 17341	41 58	3 4	268.3	2.72	7.2... 10.5	1875.99	Δ 2	
4786	A. G. Clark 3	ρ Hydrae	42 5	6 17	144.9	12.40	5 ... 12.5	1878.07	β 3	
4787	OΣ 194	L 17347	42 8	1 0	58.3	12.43	7.0... 10.5	1849.24	OΣ 2	7.0 yel.
4788	Σ 1275	DM (58°) 1153	42 9	57 58	196.1	1.97	8.0... 8.0	1832.28	Σ 4	A and B } AB wh.
					73.0	35±	...(12)	1830+	H	A and C }
4789	Σ 1279	DM (40°) 2111	42 10	40 2	273.6	1.60	8.3... 8.3	1831.93	Σ 3	White
4790	Σ 1278	DM (49°) 1776	42 14	49 47	125.6	8.43	8.0... 10.0	1829.75	Σ 2	8.0 white
4791	H 106	....	42 27:	- 3 31:	340±	....	6 ...	1820+	H	
4792	H IV. 118	....	42 30:	29 3:	65±	24.10	....	1783.10	H 1	
4793	W. Z. 3	Z 86, No. 40	42 33	-27 55	286.2	18.93	8.5... 8.5	1877.12	Cin 1	
4794	H 2467	....	42 53	11 44	196.2	7±	10 ... 11	1830+	H	
4795	β 1068	L 17381	43 2	9 19	189.9	0.45	7.7... 8.8	1889.19	β 3	A and B }
					313.0	17.80	... 12.8	1889.14	β 2	AB and C }
4796	H 2468	W ¹ VIII ^h . 1078	43 5	- 4 48	348.1	20±	8 ... 12	1830+	H	
4797	A. G. 155	DM (25°) 1997	43 10	25 2	....	....	8.8...	....	....
4798	Σ 1282	Lyncis 130	43 13	35 31	277.4	3.40	7.0... 7.0	1830.06	Σ 4	Yel'sh wh.: very wh.
4799	Ku 33	DM (18°) 2050	43 14	18 19	98.3	8.65	9.8... 10.1	1902.22	Ku 2	Kustner (382)
4800	Σ 1283	W ² VIII ^h . 1043	43 15	15 17	123.3	16.46	7.0... 8.0	1829.23	Σ 3	White
4801	H 797	....	43 15	-14 10	230±	15±	9 ... 10	1820+	H	
4802	A. G. 156	A. G. Lund 4382	43 19	34 44	251.6	10.67	9.3... 9.3	1902.81	β 2	
4803	H 4140	....	43 24	-12 58	280.1	6±	9½ ... 10	1836.2	H	
4804	A. G. 157	A. G. Berlin B 3559	43 27	23 35	75.5	2.05	9.3... 9.5	1901.34	Ku 2	
4805	H 2469	....	43 35	12 45	151.8	6±	10 ... 11-12	1830+	H	
4806	β 1069	L 17416	43 41	-10 34	60.8	2.13	6.6... 11	1889.09	β 3	
4807	H 459	....	43 41	31 18	100±	15-20	10=10	1820+	H	"Points to a neb. 8' f."
4808	Ho 40	DM (31°) 1891	43 41	31 51	272.3	0.55	9.0... 9.3	1884.74	Ho 2	
4809	H 2470	....	43 47	11 49	350±	14±	14 ... 14	1830+	H	"Pos. est. from diagram"
4810	H 4141	....	43 51	-28 21	329±	8±	9½ ... 10	1835.1	H	
4811	Bowyer 2	....	44 :	8 43:	43.9	3.06	....	1901.28	Bow 1	(M. N. LXII, 388)
4812	Ho 356	Cord. G. C. 11963	44 8	-25 59	264.5	0.81	8.2... 8.5	1890.29	Ho 1	
4813	H 2471	....	44 10	- 6 49	28.5	5±	10-11... 14	1830+	H	
4814	H 3314	....	44 18	0 25	134.5	15±	10 ... 10	1831+	H	
4815	Σ 1280	O. Arg. N. 9342	44 22	71 16	33.9	7.43	7.5... 7.6	1831.90	Σ 4	Yel'sh
4816	H 107	Monocerotis 241	44 23	- 3 44	65±	20-25	....	1820+	H	Pale yellow: blue
4817	Σ 1286 ref.	DM (4°) 2056	44 24	4 28	81.5	20±	10 ... 12	1830+	H	
4818	Σ 1285	DM (21°) 1925	44 26	21 20	338.9	26.19	9.0... 9.7	1836.28	Σ 2	
4819	OΣ (App) 96	DM (26°) 1855	44 48	26 11	313.8	41.91	7.0... 8.0	1875.06	Δ 3	A and B }
					259.5	....	... 11.0	1874.04	Δ 2	A and C }
					184.6	....	....	1874.04	Δ 2	B and C }
4820	Perrotin	DM (8°) 2132	44 49	8 47	349.3	0.78	7.5... 8.7	1884.20	Per 2	
4821	Σ 1287	DM (12°) 1925	44 53	12 35	99.4	1.40	8.0... 10.3	1830.60	Σ 3	A and B }
					108.8	15.58	... 12	1883.17	En 1	A and C } 8.0 wh.
4822	S 583	51 Cancri	45 10	32 55	23.3	82.10	7 ... 15	1825.10	S 2	
4823	H 460	53 Cancri	45 16	28 43	320±	35±	7-8... 10	1820+	H	Yellow
4824	H 4143	O. Arg. S. 9051	45 28	-22 46	131.8	1.5±	8½ ... 10	1835.2	H	"Very elegant star"
4825	Arg. 21	O. Arg. N. 9369	45 29	65 26	135±	10±	9 ... 9½	....	β	"Duplex Cl. III" in Arg.
4826	Σ 1288	DM (29°) 1836	45 32	28 54	258.9	7.52	8.9... 9.0	1836.27	Σ 3	
4827	H 798	8 45 37	-10 20	140±	5±	10 ... 12	1820+	H	

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Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
4828	β 587	15 <i>Hydrae</i>	8 ^h 45 ^m 41 ^s	- 6° 44'	159° 9	0.45	6.0... 9.0	1878.19	β 2	A and B
					340 \pm	43.03	...(12)	1783.00	H 1	AB and C
					53.2	49.99	...11.2	1878.14	β 1	AB and D
4829	Σ 1290	DM (5°) 2073	45 45	4 55	315.1	3.27	8.0... 9.9	1834.49	Σ 4	8.0 wk.
4830	Jacob 4	....	45 47:	-21 32:	222.6	4 \pm	10 $\frac{1}{2}$...10 $\frac{1}{2}$	1848.1	J	
4831	β 407	W ¹ VIII ^b . 1159	45 50	- 6 20	165.4	6.09	7.7...10.0	1877.87	Δ 1	
4832	Schj. 11	L 17509	46 4	-10 41	352.2	2.16	8.7... 9.2	1873.73	Δ 2	
4833	A. G. 158	DM (50°) 1588	46 9	50 21	336.9	5.44	8.9... 9.0	1901.21	Es 2	
4834	H 108	....	46 28:	- 2 35:	250 \pm	2 \pm	15 ...16	1820+	H	"Among several 10 m. stars"
4835	Σ 1289	W ¹ VIII ^b . 1110	46 44	44 3	4.2	3.80	7.7... 8.5	1830.26	Σ 3	White
4836	H 2472	SD (4°) 2480	46 44	- 4 25	183.4	13 \pm	9 ...14	1830+	H	
4837	H 799	....	46 46	- 9 1	355 \pm	5 \pm	11 ...13	1820+	H	
4838	H 4146	L 17541	46 48	-12 47	99.2	35 \pm	6 ...14	1836.2	H	
4839	Σ 1291	α 57 <i>Canceri</i>	46 55	31 2	333.3	1.51	5.9... 6.4	1829.71	Σ 5	Yel.
4840	H 1163	DM (47°) 1622	47 0	47 24	175 \pm	15 \pm	9-10...10	1828+	H	
4841	OZ 195	P VIII ^b . 200	47 32	8 52	138.9	9.51	7.4... 7.9	1848.27	OZ 5	
4842	Σ 1292	W ¹ VIII ^b . 1206	47 39	- 0 8	188.8	5.84	8.8... 9.0	1831.16	Σ 3	White
4843	H 109	DM (13°) 2010	47 43	13 6	280 \pm	3 \pm	11 = 11	1820+	H	
4844	Ho 357	W ¹ VIII ^b . 1147	47 48	26 40	8.2	31.06	6.5...13	1892.29	Ho 2	A. N. 3233)
4845	A. G. 159	A. G. Loh. 3695	47 52	33 14	100.3	6.75	9.5... 9.5	1903.40	β 2	
4846	Σ 3120	DM (44°) 1804	48 5	44 7	348.1	1.54	7.8... 8.8	1831.24	Σ 3	Yel'ish: wk.
4847	H 2474	Cord. DM (29°) 6896	48 18	-29 14	219.9	12 \pm	10 ...12	1830+	H	A and B } "A fourth B and C } suspected"
					260.0	8 \pm	...14	1830+	H	
4848	H 1162	....	48 22:	75 54:	232.8	20 \pm	8 ...13-14	1828+	H	
4849	β 24	L 17586	48 24	- 8 18	171.9	1.03	7.9... 9.0	1875.15	Δ 3	
4850	H 2475	Cord. DM (25°) 6689	48 29	-25 34	235.3	15 \pm	9 ...11	1830+	H	8.2 m. in Cord.
4851	β 408	Rad ¹ . 2231	48 58	63 53	344.0	2.94	7.8...10.3	1877.80	Δ 3	
4852	Hd 120	....	49 :	- 0 15:	8.5	6.62	....	1868.22	Hd 1	
4853	β 103	L 17611	49 2	- 7 22	73.9	2.90	8.0...11.2	1875.08	Δ 2	
4854	S 585	O. Arg. 8. 9131	49 4	-17 45	323.2	69.36	6 ... 7	1825.22	S 3	
4855	H 2473	DM (49°) 1787	49 7	49 20	246.2	18 \pm	8 ...13	1830+	H	
4856	H 461	DM (21°) 1943	49 31	21 3	280 \pm	10 \pm	9 ...12	1820+	H	
4857	S 584	L 17624	49 32	-10 55	211.2	71.19	8 ...10	1825.22	S 2	
4858	H 2476	....	49 32	- 4 46	31.0	12 \pm	11 ...11+	1830+	H	
4859	Σ 1295	17 <i>Hydrae</i>	49 37	- 7 31	358.8	4.33	7.2... 7.3	1831.59	Σ 3	White
4860	Σ 1284	Radhm 1291	49 39	81 31	170.4	2.38	8.0... 9.7	1833.14	Σ 3	8.0 wk.
4861	Σ 1294 <i>rcj.</i>	DM (33°) 1787	49 52	33 22	341.3	15 \pm	10 ...11	1830+	H	
4862	See 107	δ <i>Pyridis</i>	50 23	-27 13	267.5	23.85	6 ...14.5	1897.85	See 1	
4863	Σ 1293	DM (54°) 1265	50 35	54 26	92.2	18.62	7.8... 9.0	1830.66	Σ 3	White
4864	Ho 252	DM (30°) 1795	50 41	30 42	143 \pm	0.3 \pm	6.5... 6.5	1887.22	Ho	
4865	H 800	SD (13°) 2720	50 58	-13 16	350 \pm	30 \pm	9 ...10	1820+	H	
4866	Hu 628	ϵ <i>Ursae Majoris</i>	50 59	48 31	351.8	10.70	3.1...10.3	1845.27	OZ 4	A and BC } AB = B and C } OZ 196
					203.3	0.93	9.5... 9.8	1903.38	A 2	
4867	β 210	L 17696	51 18	-16 58	181.6	2.40	7.0... 7.4	1875.48	Δ 3	
4868	H 801	....	51 41	- 1 28	260 \pm	4 \pm	11 ...12	1820+	H	
4869	Σ 1296	DM (35°) 1912	51 47	35 25	71.2	2.83	8.5... 9.0	1830.59	Σ 3	
4870	H 110	α <i>Canceri</i>	51 54	12 19	320 \pm	10 \pm	4-5...20	1820+	H	White: red
4871	Weisse 20	W ¹ VIII ^b . 1317	51 59	- 4 24	....	....	6 ...	....	....
4872	A 341	SD (3°) 2520	52 3	- 3 7	326.4	4.82	8.1...13.7	1902.31	A 2	(Bul. L. O. No. 99)
4873	Hu 122	SD (12°) 2749	52 7	-12 38	258.8	0.90	8.9...10.8	1900.28	Hu 2	(A. J. 485)
4874	Sh 100	64 <i>Canceri</i>	52 11	32 53	294.8	89.73	5-6... 8-9	1823.30	Sh 1	
4875	Ho 358	L 17733	52 21	-18 26	290.4	1.77	6.9...12	1892.25	Ho 2	
4876	Hu 718	DM (32°) 1826	53 8	32 53	202.2	0.51	8.7... 8.9	1902.83	Hu 1	
4877	Ho 359	SD (22°) 2457	53 14	-22 22	7.9	0.70	8.5... 8.7	1893.23	Ho 1	
4878	H 5475	....	53 26	10 45	240 \pm	10 \pm	11 ...14	1823+	H	
4879	Ho 360	W ¹ VIII ^b . 1284	8 53 33	22 56	148.4	3.91	8.0...12	1892.74	Ho 2	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
4880	Σ 1297	DM (23°) 2030	8 ^h 53 ^m 35 ^s	23° 12'	162.2	4.70	8.2... 9.3	1831.90	Σ 3	8.2 wh.
4881	Σ 1299 <i>rej.</i>	DM (13°) 2023	53 41	13 41	....	Cl. IV	8-9... 9-10	....	Σ	From Cat. Nov.
4882	H 111	DM (-1°) 2173	53 46	-1 7	240 ±	20 ±	9 ... 10	1820+	H	
4883	Σ 1298	66 <i>Cancrī</i>	54 3	32 43	137.8	4.60	6.1... 8.2	1831.16	Σ 7	Very wh.: very blue
4884	H 2479	W ⁱ VIII ^h . 1359	54 4	4 0	325.0	15 ±	9 ... 11	1830+	H	
4885	H 112	....	54 8:	14 21:	340 ±	10 ±	12 ... 13	1820+	H	
4886	H 802	SD (9°) 2711	54 8	-10 2	355 ±	9 ±	9-10... 15	1830+	H	
4887	H 2480	<i>Schj.</i> 3309	54 9	6 38	56.4	12 ±	9 ... 9-10	1830+	H	"Duplex" in Schj.
4888	Hu 225	SD (11°) 2520	54 22	-12 0	280.2	0.34	8.3... 8.5	1900.31	Hu 2	(A. J. 494)
4889	H 113	....	54 31:	13 21:	220 ±	20 ±	13 ... 14	1820+	H	
4890	Σ 1300	W ⁱ VIII ^h . 1308	54 39	15 45	210.0	4.11	8.7... 8.8	1830.79	Σ 3	Yel.
4891	Sh 101	67 <i>Cancrī</i>	54 39	28 23	322.7	103.14	6 ... 8	1823.30	Sh 1	
4892	H 4160	....	54 42	-12 11	280.9	4 ±	12 ... 13	1837.2	H	
4893	Σ 1301	DM (26°) 1885	54 51	26 41	0.2	9.96	8.5... 9.0	1829.28	Σ 2	
4894	Hu 719	SD (10°) 2716	54 54	-10 40	291.3	0.42	9.0... 10.5	1900.24	Hu 1	
4895	β 409	L 17812	54 55	-8 43	184.3	9.65	8.0... 10.5	1878.26	β 1	
4896	Σ 1302	W ⁱ VIII ^h . 1381	54 59	3 13	228.1	2.38	8.7... 8.8	1829.59	Σ 3	A and B } wh.
					269.5	31.92	... 12	1879.23	β 1	A and C }
4897	Hu 720	DM (48°) 1716	55 2	48 9	....	0.3 ±	8.5... 8.5	1903	Hu	
4898	H 2478	DM (56°) 1357	55 8	56 9	197.6	14 ±	10 ... 10+	1830+	H	
4899	Espin 72	DM (49°) 1798	55 12	49 31	294.0	10.2	8.5... 11.5	1901	Es	(A. N. 3784)
4900	H 4162	SD (21°) 2668	55 41	-21 32	219.0	3 ±	9½ = 9½	1835.0	H	
4901	β 211	<i>Hydrae</i> 68	55 44	3 9	257.7	1.11	7.5... 10.0	1875.27	β 2	
4902	Hu 123	DM (63°) 820	56 29	63 31	228.3	0.52	8.9... 9.1	1900.43	Hu 2	(A. J. 485)
4903	Hu 721	DM (50°) 1605	56 34	50 23	....	3 ±	9.1...	....	Hu	
4904	Innes 357	O. Arg. S. 9263	56 40	-23 17	178.8	0.69	8 ...	1901.99	I 1	
4905	Ho 361	SD (0°) 2451	56 40	0 54	90.0	4.40	8.0... 12	1892.75	Ho 2	(A. N. 3233)
4906	H 803	DM (28°) 1681	56 44	28 4	10 ±	7 ±	10 ... 12	1820+	H	
4907	A. G. 160	A. G. Lund 4477	57 25	40 2	61.7	4.09	9.0... 9.1	1902.81	β 2	
4908	H 114	SD (3°) 2546	57 27	-3 34	300 ±	15-20	10 ... 11	1820+	H	A and B }
					255 ±	20-30	... 14	1820+	H	A and C }
4909	Σ 1303	DM (65°) 688	57 31	65 28	278.2	2.72	8.3... 10.2	1833.11	Σ 3	White
4910	Ho 41	DM (-1°) 2192	57 33	-1 55	69.8	4.01	9 ... 10	1882.80	Ho 2	
4911	S 588	O. Arg. S. 9275	57 36	-17 11	328.8	30.23	8½... 9	1825.15	S 2	B is O. Arg. S. 9274
4912	H 2481	....	57 38	-28 37	296.6	6 ±	9-10... 10-11	1830+	H	"Neat"
4913	H 115	DM (14°) 2022	57 39	14 46	130 ±	25 ±	9 ... 10	1820+	H	H (v, viii)
4914	H 116	....	58 7	-2 24	45 ±	30 ±	8-9 = 8-9	1820+	H	
4915	Σ 1307 <i>rej.</i>	W ⁱ VIII ^h . 1451	58 10	5 19	310.5	16 ±	10 ... 14	1830+	H	
4916	Hu 722	DM (51°) 1482	58 12	51 6	....	0.3 ±	8.5...	....	Hu	
4917	H 2482	Cord. DM (25°) 6833	58 18	-25 50	93.0	8 ±	11 ... 11	1830+	H	
4918	A. G. 161	A. G. Leiden 3748	58 19	32 55	42.6	4.22	9.0... 9.2	1902.84	β 2	
4919	A 554	A. G. Camb. 4815	58 28	29 12	212.4	0.72	8.5... 10.5	1903.37	A 2	(Bul. L. O. No. 50)
4920	Σ 1308	L 17927	58 59	-3 31	84.6	10.49	7.9... 8.9	1832.77	Σ 4	White
4921	H 4168	....	59 4	-30 51	67.8	3 ±	12 = 12	1835.1	H	
4922	Hu 226	SD (13°) 2757	59 5	-13 14	122.5	3.21	9.0... 13.0	1900.24	Hu 1	(A. J. 494)
4923	Σ 1306	σ ² <i>Ursae Majoris</i>	59 50	67 37	263.5	4.58	5.0... 8.2	1832.14	Σ 4	5.0 greenish
4924	Σ 1310	DM (47°) 1641	59 52	47 49	67.7	21.99	8.5... 11.0	1830.30	Σ 2	8.5 yel'ish
4925	A. G. 162	A. G. Leiden 3759	59 55	31 7	107.7	3.96	9.0... 9.1	1902.83	β 2	
4926	H 1164	DM (45°) 1682	9 0 3	45 39	175 ±	9 ±	9-10 = 9-10	1828+	H	
4927	H 118	....	0 20:	16 2:	320 ±	2-3	11 ... 12	1820+	H	
4928	Σ 1309	W ⁱ VIII ^h . 1495	0 24	3 18	273.1	11.34	8.0... 8.3	1834.03	Σ 5	White
4929	Σ 1311	<i>Cancrī</i> 194	0 33	23 28	200.5	7.20	6.7... 7.1	1831.31	Σ 5	A and B }
					118.0	27.31	... 12	1892.77	Ho 2	A and C }
4930	H V. 73	τ <i>Ursae Majoris</i>	1 0	64 0	45 ±	54.77	....	1783.26	H 1	
4931	H 4172	Cord. DM (24°) 7713	1 5	-24 55	213.6	6 ±	8½... 9	1835.2	H	
4932	A 342	SD (3°) 2577	9 1 8	-3 28	154.2	4.56	8.6... 9.5	1902.24	A 2	(Bul. L. O. No. 29)

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
4933	Σ 1305	DM (80°) 284	9 ^h 1 ^m 10 ^s	80° 18'	5° 6'	1.55	9.3...10.0	1833.14	Σ 3	(A. N. 3557)
4934	Ho 530	Cord. G. C. 12387	1 12	-23 41	90±	15±	8 ...12	1894.18	Ho	
4935	Howe 23	O. Arg. S. 9348	1 16	-31 7	304.7	3.42	8.7... 9.2	1877.12	Cin 2	
4936	O Σ (App) 97	W ² VIII ^b . 1480	1 17	28 1	57.1	51.30	7.7... 7.8	1875.06	Δ 3	
4937	Schj. 12	DM (0°) 2462	1 36	0 16	260.9	6.21	9.7...10.0	1874.26	Δ 2	
4938	H 4174	....	1 44	-15 14	258.7	5±	11 = 11	1836.2	H	Very wh.
4939	Σ 1312	DM (52°) 1371	1 46	52 52	147.9	4.52	7.7... 8.2	1831.68	Σ 3	
4940	H N. 30	....	1 54:	31 23:	....	Cl. I	....	1785.	H	
4941	Σ 1316	L 18025	1 56	- 6 39	146.3	6.78	8.2...11.5	1832.88	Σ 3	
					153.1	13.05	...10.5	1832.88	Σ 3	
4942	H 804	W ¹ VIII ^b . 1538	1 56	-10 0	320±	8±	8 ...12	1820+	H	A and B } A and C }
4943	A 123	SD (5°) 2727	2 33	- 5 8	342.9	1.23	8.5...13.7	1901.28	A 3	
					183.0	3.48	11.0...15.2	1901.29	A 2	
					149.0	141.7	....	1901.27	A 1	
4944	Σ 1313	DM (70°) 555	2 34	70 28	240.9	0.84	8.5... 8.7	1832.39	Σ 3	
4945	Σ 1317	W ² VIII ^b . 1513	2 35	15 44	59.4	7.59	8.0... 9.8	1829.85	Σ 3	8.0 white
4946	H 119	W ¹ IX ^b . 7	3 3	- 1 6	310±	50±	8 ... 10	1820+	H	Orange: purple
4947	Innes 197	Cord. 9 ^h . 331	3 3	-28 20	231.2	1.76	9.0... 9.2	1898.3	See 1	(A. N. 3438)
4948	Σ 1314 rej.	DM (62°) 1053	3 7	62 26	....	Cl. IV	8 ...10	....	Σ	
4949	Σ 1315	Ursae Majoris 53	3 12	62 10	25.6	24.94	7.0... 7.2	1831.74	Σ 3	White
4950	Σ 1304	Redhill 1325	3 16	81 53	317.0	24.07	8.2... 9.0	1832.29	Σ 2	8.2 yel'sh
4951	O Σ 197	L 18066	3 16	3 26	61.9	1.38	7.4... 9.0	1847.00	O Σ 4	
4952	Hd 121	SD (21°) 2704	3 19	-21 29	sp	5±	7.5...10	1870.18	Hd	
4953	Hu 227	SD (13°) 2773	3 20	-13 42	215.8	2.26	7.7...11.3	1900.25	Hu 3	(A. J. 494)
4954	Hu 124	DM (61°) 1102	3 22	61 2	130.4	2.00	8.5...12.0	1900.45	Hu 2	(A. J. 485)
4955	H 2484	Cord. DM (29°) 7180	4 8	-29 43	114.5	12±	10 ...12	1830+	H	
4956	H 2483	DM (36°) 1928	4 21	36 37	195.1	15±	9-10...10	1830+	H	
4957	H 805	DM (28°) 1708	4 23	28 30	80±	9±	9-10...10	1820+	H	71° 8' (1889.27) an Big.
4958	β 410	B. A. C. 3127	4 30	-25 19	160.5	1.78	7.0... 9.0	1877.11	Cin 2	
4959	H 4182	L 18123	4 34	-16 22	83±	25±	8 ...12	1836.1	H	
4960	H 806	Mu I. 3894	4 42	- 1 21	265±	10±	9 ...12	1820+	H	(See p. 1072)
4961	Σ 1319	DM (9°) 2130	4 43	9 4	48.9	13.26	9.0...11.2	1828.84	Σ 3	
4962	H V. 15	16 Ursae Majoris	4 51	61 55	190.1	48.99	....	1782.30	H	
4963	H 4183	e Mali	4 51	-29 53	144.9	18±	6½... 9½	1836.2	H	
4964	H 2485	....	4 56	- 4 26	151.8	3±	16 ...16-17	1830+	H	
4965	H 120	....	5 15:	- 3 49:	15±	30±	10 ...11	1820+	H	
4966	β 104	L 18134	5 19	0 47	107.7	3.30	7.0...11.8	1875.15	Δ 3	
4967	Σ 1320	DM (42°) 1975	5 32	42 49	214.6	11.52	8.5... 9.7	1830.31	Σ 2	
4968	Σ 1318	DM (47°) 1650	5 33	47 29	245.1	3.48	7.5... 8.7	1830.98	Σ 3	7.5 white
4969	Σ 1322	DM (17°) 2032	5 59	17 1	52.0	1.71	7.7... 8.2	1830.61	Σ 3	Very white
4970	β 336	L 18173	6 11	-16 19	238.2	1.93	8.7... 9.5	1876.17	Δ 2	
4971	H 5476	....	6 22	75 36	315.8	2½	10.5...13.5	1828.7	H	
4972	Σ 1321	DM (53°) 1320	6 23	53 13	48.4	20.10	7.4... 7.4	1832.96	Σ 5	Yel.
4973	H 807	....	6 23	- 6 39	270±	12±	10 ...10	1820+	H	A and B }
					50±	15±	...15	1820+	H	A and C }
4974	H 2486	....	6 30	3 49	160±	7±	10 ...14	1830+	H	"P est. from diagram"
4975	Σ 1323 rej.	DM (27°) 1727	6 33	26 57	220±	15±	9 ...12	1823+	H	
4976	A. G. 163	DM (24°) 2053	6 37	20 33	318.0	4.59	9.0... 9.5	1902.27	M 3	
4977	Ho 42	DM (34°) 1961	6 49	34 3	6.1	1.38	9.5... 9.5	1885.77	Ho 2	
4978	Σ 1324	DM (26°) 1914	6 59	26 40	352.1	11.86	8.4...11.0	1832.03	Σ 4	8.4 yel'sh wh.
4979	H 121	....	7 9:	10 21:	70±	1±	10 ...	1820+	H	
4980	H 122	DM (11°) 1998	7 9	11 39	90±	6½	10 ...10	1820+	H	
4981	H 123	DM (-1°) 2219	7 13	- 1 48	140±	12±	10 ...14	1820+	H	A and B } From H
					225±	20±	...11	1820+	H	A and C } (VII)
4982	H 2487	....	7 45:	13 23:	250±	15±	9-10 = 9-10	1830+	H	
4983	Σ 1325 rej.	W ¹ IX ^b . 120	9 7 46	16 38	....	Cl. IV	8 ...12	....	Σ	(See p. 1072)

Within 121° of the North Pole

9^h

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
4984	H 2469	0 <i>Hydrae</i>	9 ^h 8 ^m 8 ^s	2° 49'	169° 8'	45" ±	5 ... 12	1830+	H	
4985	β 908	SD (7°) 2763	8 25	— 7 47	184.6	60.56	9.0...	1880.25	β 2	A and BC }
					234.6	0.82	9.2...11.0	1880.29	β 3	B and C }
4986	H 1165	DM (45°) 1695	8 26	45 26	127 ±	20 ±	9 ... 11-12	1828+	H	8.3 m. in DM
4987	Σ 1327	L 18224	8 26	28 25	81.4	16.13	8.0... 9.2	1831.30	Σ 2	A and B }
					27.9	25.07	... 9.0	1831.30	Σ 2	A and C }
					167.3	20.20	....	1831.30	Σ 2	C and B }
4988	H 2490	DM (13°) 2060	8 28	13 23	67.4	18 ±	10 ... 10+	1830+	H	
4989	A 124	SD (2°) 2824	8 32	— 3 1	237.5	1.39	9.0...10.4	1901.29	A 4	
4990	β 435	L 18231	8 34	4 43	65.2	1.94	9.5...10.5	1877.30	III 2	
4991	H 2468	....	8 45	48 1	37.9	8 ±	12 = 12	1830+	II	
4992	H 124	DM (6°) 2136	8 58	6 1	85 ±	20 ±	10 ... 11	1820+	H	A and B }
					195 ±	50 ±	... 13	1820+	H	A and C } 8.5 in DM
4993	Weisse 21	W ^a IX ^b . 147	9 1	— 8 16	14.5	25.76	7.7... 8.9	1880.10	β 2	
4994	OΞ 198 <i>rej.</i>	L 18244	9 17	23 54	....	10 ±	7 ... 11	....	....
4995	H 2491	....	9 21	35 1	225 ±	....	....	1830+	H	
4996	Ho 362	L 18230	9 22	37 52	146.6	4.28	8.0...12.2	1892.61	Ho 3	A and B } (A. N. 3233)
					98.7	28.09	...12.5	1892.30	Ho 2	A and C }
4997	Hn 125	SD (12°) 2839	9 26	—12 22	104.1	3.16	8.5...12.2	1900.27	Hu 3	(A. J. 485)
4998	Ho 363	L 18282	9 32	—19 37	176.1	1.56	7.0... 9.0	1890.31	Ho 2	(A. N. 3233)
4999	Σ 1329	DM (—0°) 2164	9 37	— 0 44	245.7	27.19	8.3... 8.5	1834.26	Σ 4	White
5000	H 2492	....	10 6	53 1	133 ±	10 ±	....	1830+	H	
5001	β 212	<i>Hydrae</i> 95	10 11	— 7 51	230.5	1.48	7.5... 8.2	1875.61	Δ 2	
5002	H 808	DM (8°) 2195	10 23	8 45	238 ±	15 ±	8 ... 9	1820+	H	
5003	Σ 1332	W ^a IX ^b . 172	10 24	24 9	16.3	5.56	7.2... 7.5	1829.32	Σ 3	White
5004	β 588	<i>Hydrae</i> 96	10 30	1 14	123.2	2.38	6.5...11.0	1878.19	β 2	
5005	Σ 3121	W ^a IX ^b . 176	10 46	29 5	20.0	0.85	7.5... 7.8	1832.31	Σ 3	Yellowish wh.
5006	OΞ (App) 98	DM (7°) 2102	10 46	7 46	168.5	113.12	7.7... 8.0	1873.89	Δ 1	
5007	H 4193	O. Arg. 8. 9526	10 55	—22 38	126.4	2 ±	8 ... 12	1835.1	H	
5008	H 127	....	10 57:	— 5 8:	285 ±	8 ±	12 ... 13	1820+	H	
5009	Hd 122	....	11 :	— 9 7:	<i>f</i>	....	8.5... 8.5	1870.18	Hd	
5010	H 125	....	11 0:	13 8:	300 ±	15 ±	12 ... 13	1820+	H	
5011	Σ 1333	W ^a IX ^b . 182	11 2	35 52	39.4	1.42	6.6... 6.9	1828.59	Σ 4	Very white
5012	H 128	<i>Cancer</i> 222	11 21	12 0	285 ±	30 ±	6 ... 18	1820+	H	
5013	Σ 1336 <i>rej.</i>	L 18328	11 22	1 4	....	Cl. IV	6-7...11	....	Σ	7.3 in DM
5014	Σ 1334	38 <i>Lyncis</i>	11 23	37 19	240.2	2.70	4.0... 6.7	1829.17	Σ 6	Greenish wh.: blue
5015	Σ 1331	DM (61°) 1114	11 24	61 51	152.6	1.16	8.0... 8.0	1833.07	Σ 4	A and B }
					200.7	11.35	...11.5	1833.07	Σ 5	AB and C } AB very wh.
					120.0	15 ±	...(14)	1830+	H	AB and D }
5016	A 221	DM (30°) 1845	11 29	30 15	302.4	0.30	8.7... 8.8	1901.71	A 3	
5017	Σ 1326	O. Arg. 8. 9756	11 46	78 57	171.4	29.02	7.7... 8.1	1832.98	Σ 5	White
5018	Ho 43	W ^a IX ^b . 203	11 47	21 19	314.4	0.37	8.0... 8.5	1885.76	Ho 2	
5019	Σ 1330 <i>rej.</i>	O. Arg. 8. 9776	11 57	67 41	....	Cl. IV	8.9...10	....	....
5020	Ho 364	W ^a IX ^b . 205	12 0	23 25	334.6	3.60	8.2...11.2	1892.77	Ho 3	
5021	H 126	DM (—0°) 2174	12 5	— 0 6	145 ±	30 ±	9 ... 10	1820+	H	
5022	Hn 126	SD (11°) 2604	12 20	—11 49	87.6	2.85	8.5...10.7	1900.22	Hu 3	(A. J. 485)
5023	OΞ 199	37 <i>Lyncis</i>	12 24	51 46	116.8	5.74	6.1...10.2	1847.02	OΞ 4	6.1 white
5024	H 2493	....	12 31	34 14	170 ±	6 ±	11 ... 13-14	1830+	H	
5025	S 595	O. Arg. 8. 9563	12 54	—19 52	280.0	61.15	8½...10	1825.14	S 2	
5026	A 125	SD (9°) 2792	12 56	— 9 55	25.4	2.84	7.7...10.8	1901.30	A 3	
5027	H 129	....	13 6:	6 38:	230 ±	8 ±	11 ... 12	1820+	H	
5028	H 809	....	13 18	0 50	225 ±	9 ±	10 ... 11	1820+	H	
5029	H 130	DM (10°) 1973	13 18	10 34	45 ±	6 ±	9 ... 13	1820+	H	
5030	Σ 1338	<i>Lyncis</i> 157	13 29	38 42	121.1	1.76	7.0... 7.2	1829.53	Σ 5	White
5031	A 126	SD (8°) 2638	13 29	— 9 2	148.9	1.10	8.9... 9.0	1901.30	A 3	
5032	Σ 1339	DM (37°) 1970	9 13 31	37 14	73.6	1.24	8.5... 9.5	1828.95	Σ 3	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
5033	Σ 1343	DM (5°) 2161	9 ^h 13 ^m 41 ^s	5° 31'	271° 1	10.22	8.7... 9.2	1836.22	Z 3	White
5034	Σ 1342	W ^a IX ^b . 248	13 55	34 57	326.9	17.89	8.6... 11.0	1830.77	Z 4	
5035	H 131	....	14 0:	- 1 6:	115±	15±	10 ... 11	1820+	II	
5036	H 810	DM (28°) 1741	14 10	27 58	225±	20±	9 ... 9	1820+	H	
5037	Σ 1341	DM (51°) 1500	14 20	51 7	267.3	21.09	8.5... 8.5	1830.98	Z 3	White
5038	Σ 1340	39 <i>Lyneis</i>	14 21	50 3	319.4	6.06	6.5... 8.3	1830.34	Z 3	Wh.: bluish
5039	Sh 105	27 <i>Hydrae</i>	14 38	- 9 3	210.7	225.69	7 ... 8	1823.13	Sh 1	
5040	A 127	A. G. Bertin 3730	14 43	20 13	27.2	1.21	9.3... 10.0	1901.20	A 5	
5041	H 4199	Cord. DM (27°) 6476	14 43	-27 16	110.5	15±	9 ... 10	1837.1	H	7.8 m. in Cord. DM
5042	H.C. Wilson 6	L 18445	14 52	-22 59	37.3	1.38	8.0... 9.7	1886.17	W 2	
5043	Σ 1335 <i>ref.</i>	DM (77°) 368	14 55	77 38	55.5	15±	9 ... 10	1830+	H	
5044	H 132	SD (3°) 2660	15 23	- 3 45	230±	10±	9-10... 15	1820+	II	8.8 m. in SD
5045	H 2494	....	15 28	58 43	240.6	6±	11 ... 12	1830+	II	
5046	Innes 198	Lac. 3787	15 31	-28 43	178.9	0.33	8.4... 9.4	1902.22	I 1	
5047	Σ 1344	DM (39°) 2237	15 55	39 39	106.6	3.56	8.5... 9.2	1830.54	Z 4	White
5048	H 462	....	15 59	30 38	7±	13±	10 ... 11	1820+	H	
5049	H 5477	....	16 7	9 14	300±	15±	11 ... 12	1828.1	H	"P est. from diagram"
5050	H 4301	....	16 15	-28 29	100±	2±	11½ = 11½	1837.1	H	"A third star near"
5051	A. G. 164	A. G. Lund 4593	16 18	38 56	17.2	4.50	9.0... 9.2	1902.81	β 2	
5052	H 463	....	16 19	30 45	345±	15±	10 ... 11	1820+	II	
5053	A. G. 165	A. G. Bertin 3738	16 28	22 41	14.0	1.18	9.1... 9.3	1900.20	A 3	
5054	H 133	....	16 30:	5 50:	310±	12±	11 = 11	1820+	H	
5055	O Σ 200	Rad ^r . 2323	16 36	52 5	335.2	1.41	6.7... 8.4	1847.09	O Σ 5	
5056	O Σ 201	L 18469	16 51	28 25	233.5	1.45	7.5... 9.0	1852.43	O Σ 6	White: <i>yel.</i>
5057	β 337	L 18502	16 54	-17 23	320.8	7.70	7.0... 11.0	1876.17	Δ 2	
5058	Σ 1347	P IX ^b . 65	17 1	4 1	310.5	21.29	6.7... 8.0	1832.23	Z 6	White
5059	Σ 1346	21 <i>Ursae Majoris</i>	17 8	54 32	310.9	5.69	7.0... 8.0	1830.99	Z 5	White: bluish
5060	Σ 1345	DM (64°) 735	17 15	64 52	84.0	2.78	8.5... 10.1	1832.83	Z 2	White
5061	β 338	L 18518	17 15	-14 59	274.3	6.65	8.2... 10.0	1876.17	Δ 2	
5062	β 105	κ <i>Leonis</i>	17 40	26 42	203.8	3.05	4.9... 10.7	1876.20	Δ 5	
5063	H 813	DM (27°) 1750	17 45	27 12	65±	12±	8 ... 13	1820+	H	A and B }
					110±	15±	... 13	1820+	H	A and C }
5064	H 812	....	17 53	- 1 50	55±	6±	11 ... 13	1820+	H	
5065	H 811	....	17 57	11 30	45±	12±	10 ... 10-11	1820+	H	
5066	Lewis 9	....	18 :	26 32:	17.6	3.40	9.5... 10.0	1901.29	L 1	(<i>M. N.</i> LXII, 388)
5067	O Σ 202 <i>ref.</i>	L 18504	18 1	30 4	....	12	7 ... 10	....	O Σ	
5068	H 2495	....	18 4	73 56	325.0	30±	9-10... 10	1830+	H	Probably DM (74°)
5069	H 2496	....	18 5	- 5 1	47.0	15±	10-11... 13	1830+	H	398
5070	β 1070	DM (26°) 1940	18 8	26 47	71.8	0.50	9.1... 10.2	1889.13	β 3	
5071	Σ 1348	<i>Hydrae</i> 116	18 10	6 52	334.3	1.10	7.5... 7.6	1831.02	Z 4	White
5072	H 134	....	18 10:	12 8:	250±	20±	11 ... 12	1820+	H	
5073	Hu 55	SD (10°) 2832	18 12	-10 34	108.2	0.61	8.5... 9.0	1900.03	Hu 1	(<i>A. J.</i> 480)
5074	H 135	....	18 22:	15 58:	50±	8±	13 ... 14	1820+	H	
5075	Hd 123	O. Arg. 8. 9667	18 24	-23 9	4.1	4.41	7.5... 10.0	1868.17	Hd 1	
5076	Hn 98	O. Arg. 8. 9673	18 56	-23 17	172.3	2.57	9.8... 9.8	1888.54	Com 3	
5077	A 222	A. G. Camb. 4955	18 58	29 10	325.8	0.23	8.3... 8.5	1901.93	A 3	
5078	A 4	DM (31°) 1982	19 7	31 40	45.0	0.87	8.7... 10.2	1899.32	A 3	
5079	A 223	DM (29°) 1901	19 8	29 9	14.2	2.03	10.0... 10.2	1901.93	A 3	
5080	H 2497	....	19 17	53 13	288.3	7±	11 ... 12	1830+	H	
5081	H 136	....	19 30:	14 3:	300±	15±	12 = 12	1820+	H	
5082	Arg. 22	O. Arg. 8. 9682	19 45	-23 6	270±	15±	9 ... 9	1875.	β	
5083	H 814	....	19 50	- 8 48	290±	5±	11 ... 14	1820+	H	
5084	H.C. Wilson 7	....	20 :	-23 10:	29.2	24.66	8 ... 12	1883.18	W 1	
5085	Ho 365	W ^a IX ^b . 394	20 13	15 1	153.2	12.85	7.0... 13	1890.30	Ho 2	(<i>A. N.</i> 3933)
5086	β 589	L 18585	20 15	7 3	219.1	2.30	7.5... 12.5	1878.08	β 1	
5087	Hu 56	SD (12°) 2891	9 20 28	-12 59	156.6	1.64	8.5... 9.5	1900.03	Hu 1	(<i>A. J.</i> 480)

Within 121° of the North Pole

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Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
5088	A. G. 166	A. G. Alb. 3784	9 ^h 20 ^m 35 ^s	1° 36'	68° 1'	3.29	9.0...11.0	1902.62	Cg 2	
5089	Ho 366	W ¹ IX ^b . 402	20 44	31 59	10.3	0.47	8.5... 8.7	1891.33	Ho 2	A and B } AB and C }
					67.5	48.38	... 11	1891.33	Ho 2	
5090	S 598	41 <i>Lyncis</i>	20 48	46 8	161.5	86.65	6 ... 8½	1824.72	S 2	
5091	A 128	SD (2°) 2885	20 49	- 2 43	253.5	1.18	8.9... 9.0	1901.28	A 3	
5092	A 129	DM (23°) 2100	20 55	23 21	172.6	1.18	9.0...14.0	1900.70	A 2	
5093	Σ 1349	O. Arg. W. 9900	20 58	68 4	164.9	19.17	6.8... 8.0	1831.65	Z 3	White
5094	Σ 1355	W ¹ IX ^b . 414	20 59	6 46	328.3	2.84	7.2... 7.2	1832.20	Z 3	White
5095	Σ 1353	DM (16°) 1964	21 2	16 16	314.7	3.05	8.5... 8.8	1830.95	Z 3	
5096	H 464	....	21 8	18 5	165±	10±	11 ... 14	1820+	H	
5097	β 590	29 <i>Hydrae</i>	21 22	- 8 42	176.8	10.80	6.8...11.7	1878.17	β 2	
5098	Σ 1352 <i>rej.</i>	DM (43°) 1922	21 28	43 49	....	CL III	8-9... 9	....	Z	(See p. 1078) From <i>Cat. Nov.</i>
5099	Skinner 6	SD (16°) 2786	21 30	-16 45	357.2	6.04	8.7...	1900.32	Boe 1	Boeger (<i>A. J.</i> 528)
5100	Innes —	Lac. 3833	21 33	-28 16	250±	0.8±	6.7... 8.2	....	I	(<i>A. N.</i> 3419)
5101	W VI. 111	α <i>Hydrae</i>	21 41	- 8 6	<i>if</i>	120±	....	1783.02	Hf	A and B } A and C } A and D }
					155±	120±	....	1783.02	Hf	
					<i>f</i>	210±	....	1783.02	Hf	
5102	A. G. 167	DM (24°) 2089	21 50	24 20	....	....	8.9...	....	....
5103	Σ 1356	ω <i>Leonis</i>	22 2	9 35	153.9	0.97	6.2... 7.0	1825.21	Z 5	Yel.
5104	Σ 1351	23 <i>Ursae Majoris</i>	22 3	63 35	272.4	22.81	3.8... 9.0	1830.61	Z 3	Greenish wh.: ash
5105	W IV. 47	3 <i>Leonis</i>	22 6	8 43	105±	20±	....	1783.00	Hf	
5106	β 213	L 18648	22 25	- 7 34	177.2	1.60	8.0...10.5	1875.76	Δ 2	
5107	Σ 1357	L 18650	22 29	- 9 28	51.4	7.54	7.0...10.5	1831.20	Z 3	7.0 yel.
5108	H 815	DM (33°) 1869	22 46	33 25	150±	5±	9 ... 13	1820+	H	
5109	H 1167	....	23 1:	- 1 14:	3±	87±	6 ... 7-8	1828+	H	
5110	Sh 106	τ <i>Hydrae</i>	23 3	- 2 15	3.2	66.68	5.5... 8.5	1821.23	Sh 1	
5111	Σ 1358	DM (45°) 1728	23 9	45 12	152.6	24.42	7.3... 8.8	1831.68	Z 3	7.3 yel'ish wh.
5112	Σ 1361 <i>rej.</i>	DM (5°) 2183	23 22	5 5	11.4	18±	9-10... 9-10	1830+	H	
5113	H 1166	γ <i>Leo. Minoris</i>	23 28	34 11	135±	50±	7 ... 11	1828+	H	
5114	β 591	W ¹ IX ^b . 477	23 33	- 2 36	35.8	0.73	7.7... 8.5	1878.11	β 2	
5115	A 130	DM (21°) 2040	23 46	20 57	115.1	0.76	9.7... 9.8	1901.31	A 2	
5116	Σ 1360	DM (11°) 2052	24 10	11 8	243.0	14.33	7.4... 7.7	1830.86	Z 5	White
5117	A. G. 168	A. G. Lund 4650	24 12	29 1	264.8	18.43	9.3... 9.3	1902.81	β 2	
5118	Hu 228	DM (62°) 1077	24 16	62 48	81.0	0.53	8.5...13.0	1900.42	Hu 1	(<i>A. J.</i> 494)
5119	H 465	....	24 17	25 8	70±	15±	9 ... 11	1820+	H	
5120	Σ 1350	O. Arg. W. 9959	24 20	67 20	246.3	10.37	7.2... 7.3	1831.85	Z 6	A and B } B and C } White
					210.1	121.40	... 8.0	1833.40	Z 2	
5121	Σ 1359	DM (56°) 1390	24 21	56 47	69.6	7.69	8.5... 9.2	1831.66	Z 3	
5122	See 113	Lac. 3860	24 35	-26 4	178.1	4.13	6 ... 14.8	1897.85	See 1	
5123	β 1071	θ <i>Ursae Majoris</i>	24 49	52 13	74.9	5.09	3 ... 13.7	1889.23	β 3	
5124	Σ 1364	DM (20°) 2332	24 59	20 32	156.1	15.11	7.7... 9.2	1829.21	Z 2	A and B } A and C } 7.7 white
					295±	35±	...(13)	1830+	H	
5125	A 224	DM (31°) 1999	25 1	30 59	144.1	3.58	8.8...10.0	1901.98	A 3	
5126	β 339	L 18737	25 17	-15 13	215.7	1.28	8.8... 9.6	1876.17	Δ 2	
5127	Σ 1365	<i>Hydrae</i> 134	25 20	2 0	162.8	3.08	7.0... 8.0	1830.02	Z 4	Yel'ish: bluish wh.
5128	H 2498	O. Arg. S. 9794	25 20	-25 5	31.3	15±	9 ... 13	1830+	H	7.8 m. in O. Arg.
5129	β 909	L 18714	25 25	22 23	91.5	5.66	7.2...12.0	1879.48	β 3	
5130	Jacob 5	Lac. 3873	25 26	-28 14	244.6	0.55	7½... 8	1858.1	J 1	
5131	Sh 107	6 <i>Leonis</i>	25 32	10 15	74.6	38.13	....	1822.16	Sh 1	Reddish: dusky
5132	Hu 127	SD (10°) 2854	25 54	-10 53	89.9	0.63	9.4... 9.8	1900.34	Hu 2	(<i>A. J.</i> 485)
5133	Σ 1363	DM (61°) 1132	26 11	61 26	353.9	10.85	7.3...11.0	1832.57	Z 3	7.3 white
5134	W N. 29	<i>Leonis</i> 29	26 17	28 54	256.6	34.95	5.0...10.0	1840.19	OZ 1	
5135	Σ 1367	W ¹ IX ^b . 550	26 21	-10 19	182.5	5.36	7.8... 9.3	1829.55	Z 3	7.8 yel'ish
5136	Σ 1362	O. Arg. W. 9987	26 29	73 37	136.5	5.02	7.0... 7.0	1836.43	Z 2	White
5137	H 139	DM (4°) 2204	26 35	4 48	240±	15±	9 ... 10-11	1820+	H	
5138	H 2499	DM (39°) 2262	9 26 40	38 58	333.1	12±	10 ... 11	1830+	H	

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Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
5139	H 467	....	9 ^h 26 ^m 48 ^s	26° 53'	315° ±	15' ±	10 ... 11	1820+	H	
5140	Perry	....	27 1	15 0	108.0	8.2	9 ... 14	1881.25	P 1	
5141	β 910	L 18800	27 10	-13 28	304.9	6.84	7.7...10.2	1879.87	β 3	
5142	Σ 1366	DM (53°) 1350	27 24	53 50	323.8	7.73	7.8... 9.3	1831.97	Z 3	White: ash
5143	Hu 565	DM (50°) 1661	27 35	50 36	182.7	1.80	8.8... 8.8	1902.33	Hu 2	(Bul. L. O. No. 97)
5144	Σ 1368	DM (53°) 1351	27 46	53 50	219.2	21.32	8.0... 9.5	1831.32	Z 2	8.0 wh.
5145	Σ 1369	W ⁺ IX ^b . 547	27 53	40 30	147.4	24.72	7.0... 8.0	1831.37	Z 3	White
5146	A 131	SD (9°) 2869	27 57	-9 48	318.2	0.93	9.1... 9.2	1901.30	A 3	
5147	H 816	DM (10°) 2019	27 58	10 41	....	15 ±	9 ... 11	1820+	H	"Neat double star"
5148	H 1168	O. Arg. N. 9995	28 4	79 22	47.9	17 ±	8 ... 13	1828+	H	
5149	OX(App) 102	DM (14°) 2113	28 36	14 37	40.6	50.10	7.7... 8.7	1875.48	Δ 3	
5150	A 343	A. G. Lelden 3914	28 44	29 58	172.8	0.98	8.6... 11.2	1902.16	A 3	(Bul. L. O. No. 99)
5151	Σ 1370	W ⁺ IX ^b . 614	28 57	-12 4	95.5	17.61	8.5... 9.2	1828.71	Z 2	
5152	Σ 1371	W ⁺ IX ^b . 615	29 10	4 27	279.8	7.11	8.0... 10.5	1831.90	Z 3	8.0 yel ⁺ sh
5153	H 817	....	29 17	-11 33	195 ±	12 ±	10 ... 11	1820+	H	
5154	⌘ V. 58	7 Leonis	29 19	14 55	81.4	42.42	....	1783.09	⌘ 1	
5155	H 2500	....	29 46	14 31	273.0	3 ±	14 = 14	1830+	H	
5156	S 604	L 18884	29 59	-19 2	90.5	51.84	7 ... 11	1825.17	S 2	
5157	H 818	W ⁺ IX ^b . 640	30 16	-6 53	315 ±	12 ±	9 ... 11	1820+	H	
5158	Σ 1372	DM (16°) 1997	30 31	16 46	53.0	0.49	8.2... 8.3	1829.60	Z 3	White
5159	Hu 723	SD (16°) 2836	30 31	-16 43	184.4	1.93	8.5... 11.0	1902.27	Hu 1	
5160	H 468	....	30 32	19 47	300 ±	12 ±	11 ... 12	1820+	H	
5161	Ho 368	DM (25°) 2124	30 32	25 53	108.1	0.88	8.5... 8.9	1892.77	Ho 2	
5162	H 140	....	30 47:	5 55:	265 ±	25 ±	12 ... 13	1820+	H	
5163	H 4224	O. Arg. S. 9908	30 52	-30 41	119.8	4 ±	8 ... 8½	1836.2	H	
5164	OX 204	W ⁺ IX ^b . 684	32 19	11 19	104.9	8.38	6.5... 10.5	1846.58	OX 3	6.8 white
5165	Hu 724	SD (16°) 2846	32 32	-16 47	206.8	2.02	8.7... 13.0	1902.27	Hu 1	
5166	H 4227	....	32 42	-28 43	344 ±	3 ±	10 ... 13	1834+	H	
5167	H 2501	....	33 16	-26 12	95.2	8 ±	10-11=10-11	1830+	H	A and B } A and C }
5168	Σ 1373	DM (77°) 379	33 18	77 16	128.1	1.77	8.2... 9.5	1832.46	Z 3	8.2 yel ⁺ sh
5169	Hu 229	DM (60°) 1201	33 50	60 48	186.0	1.04	9.5... 10.0	1900.42	Hu 1	(A. J. 494)
5170	H 1169	....	33 53	4 1	155 ±	15 ±	10 ... 12-13	1828+	H	
5171	Σ 1374	Leo. Minoris 30	33 56	39 30	274.7	3.31	7.0... 8.3	1828.34	Z 3	Yel ⁺ sh: blue
5172	H 819	....	34 19	28 10	180 ±	7 ±	10 ... 12	1820+	H	
5173	O. Stone 19	SD (16°) 2851	34 21	-16 37	265.4	3.04	7.7... 9.5	1883.53	W 3	
5174	Σ 1375	DM (35°) 2039	34 40	35 7	304.5	6.67	8.0... 9.8	1829.93	Z 3	8.0 white
5175	⌘ VI. 76	o (14) Leonis	34 45	10 26	40.4	63.48	....	1783.08	⌘ 1	
5176	Hu 629	DM (51°) 1537	34 52	51 8	191.0	0.50	8.0... 8.5	1902.84	Hu 4	
5177	OX 205	L 18892	35 0	41 31	200.4	12.38	7.5... 12.0	1848.25	OX 2	
5178	OX 206 rej.	W ⁺ IX ^b . 744	35 41	17 38	233.8	17.26	8.0... 11.3	1867.47	Δ 3	
5179	H 2502	DM (18°) 2251	35 48	18 46	12.6	10 ±	9 ... 10	1830+	H	
5180	⌘ N. 20	L 19034	35 48	-23 3	270 ±	Cl. VI	....	1784	⌘	
5181	β 214	L 19064	35 52	-17 56	261.1	3.09	7.2... 11.0	1875.28	Δ 2	
5182	H 2504	DM (14°) 2133	36 33	14 41	168.0	5 ±	9 ... 13	1830+	H	
5183	H 2503	DM (49°) 1873	36 37	49 2	154.9	35 ±	9 = 9	1830+	H	
5184	H 2505	DM (13°) 2146	36 53	13 33	120 ±	12 ±	10 ... 11	1830+	H	"P est. from diagram"
5185	H 4233	L 19092	36 55	-20 35	268.8	15 ±	8 ... 10	1835.2	H	
5186	Σ 3122	DM (9°) 2230	37 3	9 31	252.7	12.91	9.0... 9.7	1830.20	Z 2	
5187	Σ 1377	P IX ^b . 161	37 14	3 11	142.2	3.32	7.9... 11.1	1830.24	Z 4	7.9 yel ⁺ sh
5188	Σ 1376	DM (43°) 1958	37 26	43 47	315.8	5.04	8.2... 8.2	1828.98	Z 3	White
5189	A. G. 169	A. G. Lelden 3960	37 35	34 10	....	....	9.4...	....	....
5190	H 821	O. Arg. S. 10056	37 36	-15 47	351 ±	6 ±	9 ... 12	1820+	H	8 m. in Arg.
5191	H 469	W ⁺ IX ^b . 780	37 49	19 25	240 ±	18 ±	7 ... 12	1820+	H	
5192	H 470	....	38 3	20 13	200 ±	18 ±	9 = 9	1820+	H	
5193	H 4236	....	9 38 23	-30 12	50 ±	7 ±	11½ = 11½	1837.1	H	"P by diagram"

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
5194	H 4237	....	9 ^h 38 ^m 24 ^s	-30° 10'	310° ±	5" ±	11 1/2 ... 12	1837.1	H	"P by diagram"
5195	Σ 1379	Leonis 61	38 54	9 26	173.2	9.61	7.5 ... 11.2	1830.52	Z 3	
5196	H 141	DM (4°) 2239	39 8	4 42	90 ±	30 ±	9 ... 11	1820+	H	A and B }
					150 ±	40 ±	... 12	1820+	H	A and C }
5197	Hu 630	DM (51°) 1543	39 36	51 31	72.5	2.43	8.8 ... 8.8	1903.00	Hu 3	
5198	H 1170	....	39 45	59 36	320 ±	8 ±	....	1828+	H	
5199	H 2507	W ⁺ IX ^b . 806	39 45	35 55	171.6	35 ±	8-9 ... 12	1830+	H	
5200	Σ 1378	DM (75°) 395	39 45	75 10	1.5	5.02	8.5 ... 10.2	1832.71	Z 4	8.5 white
5201	H 142	DM (16°) 2022	39 58	16 7	140 ±	12 ±	10 ... 11	1820+	H	
5202	H 143	....	40 28:	-4 42:	240 ±	8-10	15 ... 16	1820+	H	
5203	H 1171	....	40 45	47 20	200 ±	12 ±	10 ... 11	1828+	H	Probably DM (47°) 1706
5204	See 116	Ord. 9 ^h . 3158	40 50	-28 1	200.3	2.86	8.1 ... 10.8	1897.85	See 1	
5204 1/2	A 6a	SD (3°) 2772	40 58	-3 24	66.1	3.73	9.0 ... 10.3	1900.36	A 3	(A. N. 3668)
5205	H 2506	....	41 2	71 12	76.3	3 ±	9 ... 13	1830+	H	
5206	H 822	DM (-1°) 2303	41 15	-2 6	200 ±	16 ±	9 ... 11	1820+	H	8.5 in DM
5207	Ho 253	W ⁺ IX ^b . 876	41 21	10 38	289.2	1.00	7 ... 12	1887.24	Ho 1	
5208	H 823	SD (7°) 2890	41 36	-7 46	280 ±	12 ±	9 ... 14	1820+	H	
5209	H 4244	....	41 43	-30 55	30 ±	12 ±	9 1/2 ... 9 1/2	1836.2	H	
5210	Σ 1382a rej.	Leo. Minoris 39	41 54	34 39	....	25 ±	8 ... 11	1830+	H	A and B }
					....	25 ±	... 14	1830+	H	B and C }
5211	Kr 33	A. G. Main. 6087	42 22	58 46	215.3	1.85	9.0 ... 9.0	1891.22	β 1	
5212	OZ 521	Ursae Majoris	42 27	59 36	295.3	11.32	4.2 ... 11.8	1855.58	OZ 7	
5213	Hu 99	Ord. G. C. 13351	42 28	-27 3	218.1	1.75	8.3 ... 10.3	1888.87	Com 3	
5214	Σ 1381	DM (61°) 1146	42 30	61 11	217.6	1.50	8.5 ... 8.7	1832.28	Z 3	Very wh.
5215	Σ 1383a rej.	....	42 35:	32 11:	....	Cl. IV	8-9 ... 10-11	....	Z	From Cat. Nov.
5216	H 2508	....	42 43	50 28	302.6	....	....	1830+	H	
5217	H 1172	W ⁺ IX ^b . 864	42 45	44 34	270 ±	10 ±	9 ... 11	1828+	H	
5218	H 3315	....	43 8	67 9	285.4	7 ±	11 ... 12	1831+	H	
5219	OZ 207 rej.	L 19259	43 17	17 24	322.4	19.05	7.7 ... 10.8	1867.47	d 3	7.7 orange
5220	Innes 205	Ord. DM (25°) 6590	43 19	-25 53	20 ±	2 ±	7.1 ... 10.1	1897.50	I	(A. N. 3438)
5221	Σ 1384	DM (17°) 2143	43 22	16 54	181.1	11.77	9.0 ... 9.7	1828.23	Z 2	
5222	Σ 1385	DM (17°) 2144	43 23	17 7	0.2	1.23	8.5 ... 10.7	1829.94	Z 3	
5223	OZ 208	Ursae Majoris	43 56	54 38	8.0	0.48	5.0 ... 5.6	1843.11	OZ 4	
5224	Ho 369	W ⁺ IX ^b . 896	43 57	37 3	98.0	0.32	7.7 ... 7.8	1891.31	Ho 2	A and B }
					100.8	61.67	... 12	1891.31	Ho 1	AB and C }
5225	OZ (App) 103	W ⁺ IX ^b . 905	44 13	19 53	123.3	78.12	8.5 ... 9.0	1875.47	d 3	
5226	Σ 1380	Bedford 1444	44 26	80 57	29.0	1.70	7.6 ... 10.7	1833.53	Z 4	7.6 yel.
5227	OZ 522	O. Arg. N. 10399	44 39	65 21	121.7	15.02	7.3 ... 11.0	1851.29	OZ 3	7.3 red
5228	A 344	A. G. Camb. 5120	45 8	29 50	29.0	0.44	8.6 ... 9.2	1902.26	A 2	(Bul. L. O. No. 29)
5229	Σ 1387	DM (69°) 541	45 11	69 31	269.6	8.93	9.5 ... 9.5	1832.97	Z 2	
5230	Σ 1386	DM (69°) 542	45 12	69 28	296.0	1.98	8.2 ... 8.2	1832.11	Z 3	White
5231	Σ 1388a rej.	DM (29°) 1958	45 22	29 7	....	Cl. IV	8 ... 9-10	....	Z	From Cat. Nov.
5232	OZ 209	Bedf. 2406	45 22	51 11	307.1	4.86	7.2 ... 10.2	1846.03	OZ 4	(See p. 1072)
5233	Σ 1389	DM (27°) 1819	45 32	27 33	329.2	1.67	8.0 ... 9.0	1830.61	Z 3	Yel'ish
5234	Σ 1390	DM (17°) 2148	45 34	17 2	205.9	2.34	8.5 ... 9.5	1829.60	Z 3	A and B }
					39.6	10.73	... 11.0	1856.28	Se 1	A and C }
5235	A. Clark 5	8 Sextantis	46 34	-7 32	50.5	0.55 ±	5 1/2 ... 5 1/2	1854.22	Da 2	A and B }
					314.3	30 ±	... 12	1834+	H	AB and C }
5236	H 2509	....	45 36	37 46	82.8	14 ±	10 ... 11	1830+	H	
5237	H 2510	....	46 35	49 22	11.0	14 ±	11 = 11	1830+	H	
5238	Howe 24	Ord. DM (28°) 7695	46 54	-28 6	196.0	9.32	8.5 ... 10.0	1885.12	W 1	
5239	S 605	9 Sextantis	47 50	5 31	292.7	51.02	7 ... 9	1825.01	S 2	
5240	H 4261	L 19394	47 54	-18 55	86.8	9 ±	8 ... 10	1837.1	H	
5241	Σ 1391a rej.	DM (51°) 1557	48 3	51 46	....	III-IV	8-9 ... 9-10	....	Z	From Cat. Nov.
5242	H 4262	SD (12°) 3019	48 38	-12 21	101.7	7 ±	9 ... 12	1836.2	H	
5243	H 144	....	9 48 38:	10 48:	335 ±	10 ±	11 ... 12	1820+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
5244	β 215	Lac. 4058	9 ^h 48 ^m 41 ^s	-27° 26'	337° 5	1.75	7.5... 9.0	1877.11	Cin 1	
5245	H 471	DM (31°) 2071	48 42	31 14	310 ±	5 ±	9 ... 12	1820+	H	
5246	Hu 230	SD (11°) 2756	48 46	-11 29	85.5	0.30	9.0... 9.2	1900.24	Hu 1	(A. J. 494)
5247	H 2511	....	48 50	22 14	129.9	7 ±	12 ... 12-13	1830+	H	
5248	Σ 1395	L 19412	48 59	10 41	228.3	18.84	8.0... 10.5	1828.95	Z 4	8.0 <i>yel'sh</i>
5249	Σ 1392	DM (29°) 1971	49 8	29 40	179.7	9.39	8.5... 11.2	1830.75	Z 2	
5250	A. G. 170	DM (8°) 2287	49 13	8 40	39.1	2.21	9.2... 9.2	1895.36	Lp	
5251	β 592	O. Arg. 8. 10209	49 16	-15 38	191.7	9.84	6.6... 12.0	1879.18	β 5	
5252	Kr 34	A. G. Hols. 6127	49 21	58 49	63.0	36.20	9.2... 9.5	1891.22	β 1	
5253	H 146	....	49 22	-4 13	120 ±	15 ±	10 ... 11	1820+	H	
5254	Σ 1394	O. Arg. W. 10375	49 39	46 29	237.1	3.75	8.3... 9.3	1828.34	Z 3	8.3 <i>yel'sh</i>
5255	Σ 1397	DM (25°) 2184	49 56	25 37	110.4	1.01	8.5... 10.3	1830.60	Z 3	
5256	Σ 1396	L 19441	49 57	11 14	129.3	3.51	8.2... 10.0	1829.20	Z 3	8.2 <i>white</i>
5257	H 2512	....	50 4	14 25	96.6	4 ±	12 = 12	1830+	H	
5258	A. G. 171	DM (21°) 2128	50 15	21 21	....	....	8.9...	....	....
5259	Σ 1399	DM (20°) 2399	50 26	20 20	175.1	30.14	6.8... 7.8	1828.76	Z 4	White
5260	Σ 1393 <i>rej.</i>	DM (74°) 420	51 6	74 9	257.0	12 ±	10 ... 10-11	1830+	H	From H (V)
5261	H 824	DM (9°) 2267	51 14	9 44	177 ±	9 ±	10 ... 11	1820+	H	
5262	A 63	SD (3°) 2820	51 20	-3 21	356.8	1.52	8.8... 11.7	1900.37	A 3	(A. N. 3668)
5263	β 216	Lac. 4074	51 20	-25 59	161.2	3.08	6.0... 11.2	1877.20	Cin 2	
5264	H 2514	DM (4°) 2271	51 29	4 50	333.0	40 ±	10 ... 11	1830+	H	
5265	Arg. 23	O. Arg. 8. 10242	51 30	-27 59	196.3	8.61	8.5... 9.0	1877.58	Cin 1	
5266	H 2513	DM (59°) 1278	51 45	59 17	179.5	18 ±	9-10... 10	1830+	H	
5267	H 1173	....	51 50	-14 12	1 ±	4 ±	12 ... 12	1828+	H	
5268	Σ 1398	DM (69°) 550	51 52	69 18	229.0	3.66	7.5... 10.7	1832.07	Z 3	7.5 <i>wh.</i>
5269	η V. 63	Leonis 91	52 14	11 32	335 ±	52.17	....	1783.10	H 1	
5270	H 147	Schj. 3665	52 20	-1 0	225 ±	20 ±	10 = 10	1820+	H	
5271	H 3317	....	52 26	0 27	188.8	20 ±	10 ... 10	1831+	H	
5272	Σ 1400	DM (69°) 552	53 18	69 22	228.2	1.80	7.3... 10.5	1832.39	Z 3	7.3 <i>yel'sh</i>
5273	H 825	SD (14°) 2992	53 46	-14 23	305 ±	6 ±	9 ... 10	1820+	H	
5274	H 148	....	53 41	-2 53	40 ±	3-4	10 ... 16	1820+	H	
5275	H 5478	....	53 55	45 34	40 ±	9 ±	10 ... 11	1823+	H	
5276	Σ 1401	DM (6°) 2240	53 56	6 50	20.8	23.66	8.0... 11.0	1829.18	Z 2	8.0 <i>white</i>
5277	Doo —	....	54 0	58 43	106.4	30.21	9.2... 9.3	1898.35	Doo 3	(Pub. Flower Obey. I)
5278	A 555	SD (6°) 3054	54 14	-6 8	212.8	0.57	8.3... 10.8	1903.04	A 2	(Bul. L. O. No. 90)
5279	Hu 725	DM (50°) 1705	54 17	50 17	181.4	0.27	9.0... 10.0	1902.96	Hu 1	
5280	H 149	....	54 46	5 36	265 ±	30 ±	....	1820+	H	Red: purple
5281	O Σ 210	L 19562	55 2	46 56	270.6	0.94	7.5... 8.3	1845.27	O Σ 3	
5282	H 2515	Rad ¹ . 2425	55 4	50 27	....	....	7 ... 15	1830+	H	
5283	H 3318	....	55 33	36 50	344.1	25 ±	9-10... 9-10	1831+	H	
5284	Hd 124	O. Arg. 8. 10285	55 40	-22 11	9 ±	14 ±	8 ... 10	1868.13	Hd	
5285	H 472	DM (28°) 1831	56 2	27 57	105 ±	5 ±	10 = 10	1820+	H	A and B }
					150 ±	15 ±	... 15	1820+	H	A and C }
5286	Hu 231	SD (11°) 3004	56 10	-11 12	49.0	4.86	8.5... 13.5	1900.24	Hu 1	(A. J. 494)
5287	H 2516	....	56 11	40 10	....	4 ±	12 ... 12+	1830+	H	
5288	H 826	SD (9°) 2967	56 24	-9 16	305 ±	12 ±	9-10... 14	1820+	H	
5289	H 4277	Lac. 4106	56 27	-28 6	29.6	25 ±	8 ... 8½	1837.1	H	
5290	Σ 1403	DM (8°) 2310	56 32	8 17	339.2	2.91	8.9... 10.6	1831.43	Z 6	
5291	H 2517	W ¹ IX ^b . 1172	56 44	38 36	167.9	45 ±	7 ... 12	1830+	H	
5292	Σ 1402	DM (56°) 1428	56 50	56 4	96.0	21.09	6.8... 8.0	1831.68	Z 3	Yel.: bluish
5293	H 827	....	56 50	-2 20	55 ±	1½-2	11 ... 12	1820+	H	"Verified with spectro"
5294	A 64	SD (5°) 2977	56 51	-5 21	343.1	1.47	8.7... 12.2	1900.37	A 3	(A. N. 3668)
5295	Hu 631	DM (33°) 1938	56 59	33 14	271.9	0.76	7.0... 8.6	1903.05	Hu 3	
5296	H 1174	DM (2°) 2282	57 8	2 38	135 ±	8 ±	10 ... 12	1828+	H	
5297	H 2519	DM (11°) 2155	57 36	11 51	32.4	8 ±	10 ... 13	1830+	H	
5298	H 3320	....	9 57 41	2 25	153.8	10 ±	11-12... 13	1831+	H	

Number	Double Star	Star Catalogue	R. A., 1880	Decl., 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
5299	H 4279	....	9 ^h 57 ^m 57 ^s	15° 55'	119° 7	6" ±	11½ = 11½	1836.2	H	
5300	H 2518	DM (52°) 1451	58 5	52 31	91.0	25 ±	9-10...12	1830+	H	"Another double ♂"
5301	Ho 370	Cord. DM (24°) 8711	58 10	-24 44	330.7	14.43	6.7...13	1892.30	Ho 3	
5302	Σ 1404	W ¹ IX ^b . 1228	58 11	-1 7	292.8	6.11	8.7... 9.3	1830.45	Σ 5	White
5303	β 1072	L 19689	58 20	-17 31	42.6	10.90	6.9...12.3	1889.13	β 3	A and B }
					272.7	21.50	7 ... 7½	1822.34	Sh 1	A and C }
5304	Σ 1406	DM (31°) 2095	58 42	31 40	228.2	1.14	8.0... 8.7	1830.27	Σ 3	White
5305	Σ 1405 <i>rej.</i>	Leonis Minoris 58	58 43	40 10	....	Cl. IV	7 ... 10	....	Σ	From Cat. Nov. L 19664
5306	H 150	....	58 51:	-5 5:	305 ±	8-10	13 ... 14	1820+	H	
5307	Innes 292	Lac. 4128	58 52	-27 48	208.8	0.72	7.8... 8.0	1899.01	A 4	
5308	H 473	....	58 56	19 24	290 ±	25 ±	10 ... 11	1820+	H	
5309	Weisse 22	W ¹ IX ^b . 1229	59 7	44 8	....	10 ±	9 ...	....	....
5310	H 474	....	59 14	29 36	320 ±	9 ±	10 ... 11	1820+	H	
5311	H 828	DM (27°) 1845	59 37	27 37	300 ±	6 ±	10 ... 10+	1820+	H	
5312	H 151	....	59 44:	10 17:	35 ±	5 ±	12 ... 14	1820+	H	
5313	Innes 293	Lac. 4134	59 45	-27 37	320.6	0.60	7.2... 8.0	1899.22	A 3	
5314	H 3319	DM (76°) 395	59 49	76 57	4.2	20 ±	9 ... 10	1831+	H	
5315	Σ 1407	DM (65°) 751	10 0 11	65 2	52.5	4.87	9.0... 9.5	1832.39	Σ 3	
5316	H 1175	....	0 12	4 34	105 ±	10 ±	11 ... 12	1828+	H	
5317	H 829	SD (9°) 2994	0 21	-9 29	310 ±	12 ±	10 ... 14	1820+	H	
5318	Ho 371	Lac. 4143	0 23	-30 18	40.6	6.38	6.5...12	1891.79	Ho 2	
5319	Hd 125	W ¹ IX ^b . 1273	0 48	-1 8	n	1 ±	9 ...	1868.22	Hd	
5320	S 607	O. Arg. S. 10365	0 56	-18 44	326.2	11.35	10 ... 10	1825.12	S 2	
5321	H.C.Wilson 8	Cord. G. C. 13781	1 0	-28 4	217.1	1.15	7.6... 7.7	1885.22	W 3	
5322	Σ 1408	DM (73°) 487	1 0	73 38	11.8	3.34	8.4... 9.2	1832.69	Σ 4	White
5323	H 152	....	1 5:	6 10:	....	....	....	1820+	H	No description
5324	H 4285	O. Arg. S. 10372	1 5	-22 33	2.0	10 ±	8½...10	1835.2	H	
5325	β 217	Cord. G. C. 13789	1 17	-24 18	274.1	1.85	7.8... 7.9	1878.47	Cin 3	
5326	H 475	B. A. C. 3456	1 21	32 12	170 ±	20 ±	6 ... 19	1820+	H	
5327	Weisse 23	W ¹ IX ^b . 1284	1 21	6 57	310.1	3.52	9.5... 9.6	1895.40	Lp	
5328	G.Anderson 5	31 Leonis	1 32	10 35	43.3	7.94	5 ... 15	1878.30	H1 5	
5329	β 218	L 19765	1 41	-19 7	122.6	0.99	7.9... 8.4	1875.26	Δ 4	
5330	H 3321	....	1 54	67 29	133.5	4 ±	10 ... 10+	1831+	H	
5331	Σ 6, App. II	α Leonis (Regulus)	2 0	12 33	306.6	176.90	1.5... 8.4	1836.24	Σ 5	A and B } Bluish
					93.3	3.90	....	1867.31	Hd 2	B and C } wh.: wh.
5332	Σ 1411 <i>rej.</i>	DM (33°) 1946	2 15	32 57	306.2	30 ±	9-10...11	1830+	H	From H (V). 8.5 in DM
5333	H 2520	DM (22°) 2185	2 37	22 23	339.8	24 ±	8 ... 11	1830+	H	
5334	β 911	L 19780	2 41	-19 10	311.5	4.75	7.5...11.2	1880.25	β 2	A and B }
					83.1	47.30	... 9.3	1880.26	β 3	A and C }
5335	H 2521	DM (44°) 1957	2 59	44 42	270 ±	15 ±	9-10...14	1830+	H	"P doubtful"
5336	Σ 1409	DM (80°) 313	3 3	80 4	184.2	7.79	8.7...11.2	1833.25	Σ 3	8.7 <i>yel'sh</i>
5337	Σ 1412 <i>rej.</i>	DM (3°) 2323	3 29	3 45	....	Cl. IV	8 ... 11	....	Σ	
5338	H 153	....	3 59:	-1 22:	190 ±	12 ±	11 ... 12	1820+	H	A and B }
					115 ±	12 ±	... 18	1820+	H	A and C }
5339	β 790	W ¹ X ^b . 26	4 5	-12 17	67.9	2.17	8.6...10.1	1881.36	β 3	
5340	H 830	SD (13°) 3045	4 20	-14 3	50 ±	5 ±	9-10...11-12	1820+	H	
5341	H 2522	DM (48°) 1845	4 31	48 27	147.3	25 ±	9-10...11	1830+	H	8.8 m. in DM
5342	β 593	λ Hydrae	4 44	-11 46	118.4	50.76	4 ... 13.5	1878.23	β 1	
5343	....	DM (10°) 2119	4 54	10 36	185.7	73.70	9.3... 9.5	1903.22	β 1	
5344	Hu 632	DM (49°) 1931	5 22	49 11	64.1	3.12	9.0...10.8	1903.00	Hu 3	
5345	H 476	L 19830	5 26	20 43	43 ±	15 ±	8 ... 11	1820+	H	Yellow: blue
5346	Ho 44	SD (5°) 3008	5 27	-5 34	10.9	0.41	8 ... 8	1884.32	Ho 2	
5347	Σ 1413	DM (17°) 2181	5 48	16 56	278.5	2.39	8.9... 8.9	1830.78	Σ 4	Yel'sh: wh.
5348	Σ 1414	DM (40°) 2304	6 19	40 4	93.8	3.92	9.2...10.3	1830.05	Σ 4	
5349	OΞ 213	L 19853	6 22	28 1	115.2	0.99	7.8... 9.5	1856.94	OΞ 6	
5350	H 3322	....	10 6 25	38 22	134.8	4 ±	11 = 11	1831+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
5351	Σ 1416	L 19868	10 ^h 6 ^m 29 ^s	-15° 30'	275° 8	11' 25	6.7... 8.5	1827.73	Σ 2	6.7 white
5352	H 477	DM (25°) 2215	7 15	25 25	275±	8±	10 = 10	1820+	H	A and B } "A fainter star, also sp."
					315±	10±	... 19	1820+	H	A and C }
5353	H 3323	....	8 1	67 19	287.3	3±	15 ... 15	1831+	H	
5354	Lewis 10	DM (18°) 2335	8 1	18 29	8.1	1.38	8.0... 8.5	1903.31	L 2	(M. N. LXIII 407)
5355	H 4296	DM (17°) 2189	8 11	17 22	137.9	12±	9 ... 12	1836.2	H	(See p. 1073)
5356	Σ 1415	O. Arg. N. 10662	8 11	71 40	167.1	16.73	6.1... 7.0	1832.21	Σ 4	Very wh.
5357	H 154	....	8 24:	- 0 35:	150±	10-12	11 ... 12	1820+	H	
5358	Hu 459	SD (17°) 3095	8 30	-17 26	88.5	1.04	9.4... 9.8	1902.35	Hu 3	(Bul. L. O. No. 21)
5359	Σ 1417	DM (19°) 2322	8 35	19 43	261.4	2.43	8.2... 8.2	1830.61	Σ 4	White
5360	H 1176	O. Arg. N. 10679	8 36	58 13	320.2	10±	10 = 10	1828+	H	
5361	Hu 633	DM (49°) 1933	8 38	49 20	341.6	0.36	8.4... 10.5	1902.99	Hu 2	
5362	H 155	....	9 9:	15 0:	145±	15±	11 ... 12	1820+	H	
5363	Hu 634	DM (33°) 1962	9 23	33 45	167.1	1.83	8.4... 9.1	1903.05	Hu 3	
5364	H 156	DM (12°) 2180	9 35	12 36	330±	10±	10 ... 11	1820+	H	A and B }
					360±	10±	... 11	1820+	H	B and C }
5365	OΣ 215	P X ^b . 23	9 44	18 20	266.5	0.47	7.0... 7.2	1844.54	OΣ 4	
5366	Ho 45	DM (6°) 2280	9 49	6 35	145.2	9.60	9 ... 10	1884.35	Ho 2	
5367	Hu 100	SD (17°) 3100	9 58	-17 50	199.6	1.43	9.7... 11.0	1888.87	Com 3	
5368	Σ 18, App. I	† and 35 Leonis	10 1	24 1	343.1	314.44	3.8... 6.0	1836.42	Σ 5	Yel'ish: wh.
5369	H 478	....	10 12	18 58	135±	3±	12 = 12	1820+	H	A and B }
					345±	5±	... 20	1820+	H	A and C }
5370	H 2523	....	10 27	55 41	313.8	12±	11 ... 11	1830+	H	
5371	OΣ 523	39 Leonis	10 39	23 42	295.6	6.73	5.8... 11.4	1851.26	OΣ 4	
5372	Σ 1419	W ^r X ^b . 145	10 41	10 43	223.8	4.36	8.4... 9.1	1828.43	Σ 5	Wh.: bluish
5373	Hu 566	SD (10°) 3031	10 52	-10 10	226.0	1.05	8.5... 12.0	1900.32	Hu 3	(Bul. L. O. No. 27)
5374	H 157	....	10 59:	- 2 49:	300±	15±	10 ... 13	1820+	H	"Small star blue"
5375	Hu 101	O. Arg. S. 10498	11 5	-20 4	113.8	1.49	6.0... 9.8	1888.73	Com 2	
5376	H 3324	DM (68°) 598	11 19	68 44	198.5	18±	9 ... 10	1831+	H	
5377	Σ 1421	W ^r X ^b . 200	11 19	28 8	330.4	4.39	7.5... 8.5	1830.72	Σ 5	Wh.: bluish
5378	H 2525	....	11 25	37 6	87.0	16±	11 ... 11	1830+	H	H (VI)
5379	Σ 1420	DM (39°) 2337	11 29	39 43	327.5	2.40	8.2... 9.9	1831.69	Σ 5	
5380	H 831	SD (13°) 3080	11 34	-13 48	135±	15±	9 ... 11	1820+	H	
5381	A 65	SD (5°) 3034	12 4	- 5 49	158.5	4.58	8.3... 14.0	1900.33	A 3	(A. N. 3668)
5382	H 2524	....	12 21	73 54	192.5	18±	10 ... 11	1830+	H	
5383	H 2526	....	12 31	34 20	8.4	15±	11 ... 13	1830+	H	
5384	H 3225	....	12 35	61 38	38.3	4±	11 ... 12	1830+	H	
5385	Σ 1423	DM (21°) 2172	12 37	21 10	99.3	1.12	8.6... 9.3	1830.94	Σ 6	Yel'ish
5386	H I. 71	....	12 46	54 49	87.9	....	....	1782.88	H I	
5387	H 2527	....	12 52	7 47	253.6	15±	11-12... 13	1830+	H	
5388	Σ 1424	γ Leonis	13 20	20 27	103.4	2.50	2.0... 3.5	1831.51	Σ 21	Gold.: greenish red
5389	Innes 206	L 20048	13 27	-22 34	328.0	1.01	9.0... 9.5	1902.26	I 1	
5390	H 5479	DM (0°) 2640	13 28	0 40	20±	15±	9 ... 13	1823+	H	
5391	H 158	W ^r X ^b . 198	13 28	14 3	175±	15±	9 ... 12	1820+	H	(See p. 1073)
5392	H 479	....	13 42	28 36	360±	10±	11 = 11	1820+	H	
5393	H 159	W ^r X ^b . 209	14 3	11 57	15±	35±	8 ... 10	1820+	H	Red: blue (See p. 1073)
5394	Ho 531	SD (3°) 2900	14 3	- 3 45	133.4	2.03	8 ... 10.7	1894.30	Ho 2	(A. N. 3337)
5395	Σ 1425	DM (46°) 1620	14 13	46 45	1.8	4.79	8.8... 9.5	1829.69	Σ 3	
5396	Hu 102	SD (20°) 3148	14 14	-20 45	173.3	1.34	9.8... 10.8	1888.87	Com 3	
5397	Σ 1426	Leonis 145	14 15	7 2	256.8	0.62	7.8... 8.3	1832.26	Σ 3	A and B }
					9.1	7.43	... 9.3	1832.22	Σ 3	AB and C }
					45.2	34.39	...(15)	1876.36	H I	AB and D }
5398	Σ 1410	Redhill 1519	14 22	86 40	337.2	14.21	8.0... 9.8	1833.25	Σ 3	8.0 yel.
5399	H 4303	SD (21°) 3038	14 35	-22 0	89.3	10±	8 ... 9	1835.2	H I	
5400	Σ 1427	DM (44°) 1977	14 46	44 31	214.1	9.47	7.2... 7.7	1829.36	Σ 3	White
5401	Hu 103	Lam. 158	10 14 47	-15 45	336.9	1.58	9.2... 9.9	1888.56	Com 3	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
5402	Hn 104	SD (15°) 3031	10 ^h 14 ^m 50 ^s	-16° 7'	14° 9	3 ^h 32	10.0...10.1	1888.26	Com 2	
5403	Kr 36	A. G. Hels. 6318	14 54	62 13	244.9	5.17	9 ... 10	1891.22	β 1	
5404	H 4305	Yar. 4304	14 54	-23 2	213.5	18±	8 ... 10	1835.2	H	
5405	H 2528	....	15 22	72 42	102.5	9±	10 ... 12	1830+	H	
5406	β 1321	DM (13°) 2244	15 39	13 2	131.3	1.75	9.1...12.3	1903.26	β 3	
5407	β 25	W ¹ X ^h . 242	15 46	-9 10	180.5	1.76	8.4... 9.0	1875.23	Δ 4	
5408	β 219	Cord. G. C. 14126	15 56	-21 55	188.6	2.33	7.5... 9.2	1876.14	Cin 3	
5409	OΞ 216	Leonis 150	16 20	15 58	167.9	2.06	7.0...10.5	1845.62	OΞ 3	
5410	β 912	W ¹ X ^h . 253	16 26	-13 4	106.3	0.95	8.6...11.9	1879.17	β 2	
5411	H 4309	....	16 37	-29 44	50±	15±	10=10	1834+	H	
5412	Sh 115	Leonis 155	17 2	6 18	330.4	60.39	7 ... 12	1823.14	Sh 3	
5413	H 2529	....	17 19	13 10	95.3	1½	11 ... 12	1830+	H	A and B }
					10.8	7±	... 14	1830+	H	A and C }
5414	H 4311	L 20158	17 26	-12 46	122.3	4±	7 ... 14	1836.2	H	
5415	OΞ (App) 104	L 20141	17 27	34 48	286.3	207.22	7.0... 7.5	1875.63	Δ 2	
5416	H 3326	....	17 57	36 34	177.2	15±	11 ... 11	1831+	H	
5417	Hn 105	O. Arg. S. 10588	18 0	-19 19	116.6	0.91	9.5...10.5	1888.91	Com 3	
5418	β 1322	L 20170	18 1	2 59	325.8	7.84	7 ... 13.3	1904.29	β 3	A and B }
					64.2	209.84	... 7	1904.29	β 3	A and C }
5419	H 4313	....	18 2	-28 58	138.3	7±	10=10	1834.3	H	"Points to a star 9 m."
5420	H 480	....	18 13	31 53	75±	7±	12 ... 12+	1820+	H	
5421	Σ 1429	DM (25°) 2247	18 22	25 14	270.6	1.52	8.3... 8.3	1829.28	Σ 3	
5422	Σ 1428	P X ^h . 58	18 25	53 14	84.3	3.84	7.5... 8.0	1831.69	Σ 3	White
5423	Σ 1430 ref.	DM (41°) 2089	18 35	41 31	....	CL IV	8 ... 10	....	Σ	From Cat. Nov.
5424	H 160	....	19 10	-3 43	295±	5-6	12 ... 13	1820+	H	Place from H (V)
5425	H 481	....	19 12	25 41	305±	5±	9 ... 11	1820+	H	
5426	Σ 1431	P X ^h . 67	19 16	9 23	65.9	3.20	8.0... 9.7	1832.56	Σ 3	Wh.: bluish wh.
5427	H 1177	....	19 31	3 49	60±	12±	10 ... 11	1828+	H	
5428	β 1280	L 20225	19 55	4 33	17.8	0.88	9.1...11.7	1899.40	A 2	B and C }
					191.5	116.26	7.2...	1899.25	β 3	A and BC }
5429	Σ 1432	DM (30°) 2014	20 14	30 17	124.3	29.53	8.0... 9.8	1829.94	Σ 3	8.0 yel'sh wh.
5430	Σ 1433 ref.	SD (3°) 2920	20 20	-3 26	....	III-IV	9 ... 11	....	Σ	From Cat. Nov.
5431	OΞ 217	L 20234	20 24	17 50	149.1	0.52	7.3... 7.8	1851.30	OΞ 5	
5432	H 161	....	20 31	11 47	225±	20±	12 ... 13	1820+	H	
5433	Σ 1434	W ² X ^h . 379	20 38	18 41	269.5	6.08	8.5... 8.5	1830.22	Σ 4	
5434	Hu 635	DM (48°) 1868	21 11	48 10	173.9	4.27	9.2... 9.2	1903.02	Hu 2	
5435	H 2531	....	21 17	40 49	4.8	9±	10 ... 11	1830+	H	
5436	H 832	45 Leonis	21 18	10 23	140±	40±	6 ... 15	1820+	H	
5437	OΞ 218	L 20278	21 18	4 10	63.0	1.21	7.3... 9.2	1855.12	OΞ 6	
5438	Σ 1435	DM (20°) 2491	21 25	20 27	201.3	8.30	9.2...10.0	1827.29	Σ 2	
5439	H 1179	....	21 41	0 37	130±	10±	10 ... 12	1828+	H	
5440	H 1178	....	21 49	56 48	100±	....	....	1828+	H	"P est. from diagram"
5441	Σ 1438 ref.	DM (13°) 2261	22 7	13 47	250.7	18±	8-9...10	1830+	H	From H (V)
5442	H 2532	DM (38°) 2144	22 35	38 35	73.3	12±	9-10=9-10	1830+	H	
5443	Σ 1436	DM (57°) 1271	22 38	56 58	251.3	10.26	8.0...10.0	1831.32	Σ 2	8.0 yel'sh
5444	OΞ 219	Rad ² . 2500	22 44	51 36	298.2	13.21	7.0...10.3	1847.65	OΞ 3	
5445	OΞ 220	P X ^h . 85	22 51	10 46	62.3	1.27	7.1... 9.0	1853.73	OΞ 7	
5446	OΞ (App) 105	W ² X ^h . 437	23 10	29 12	225.2	130.40	6.8... 7.8	1875.86	Δ 3	
5447	H 833	Mü I, 5359	23 19	-0 29	20±	15±	9 ... 12	1820+	H	
5448	Σ 1439	DM (21°) 2202	23 32	21 25	131.4	2.02	8.0... 8.5	1829.26	Σ 3	White
5449	H 3327	....	23 43	68 37	110.3	2½	10-11=10-11	1831+	H	"Very neat star"
5450	H 162	....	23 45	15 16	330±	15-20	9 ... 11	1820+	H	Probably DM
5451	Σ 1440	W ¹ X ^h . 398	23 45	-3 18	346.4	15.10	8.0... 9.5	1832.22	Σ 2	(15°) 2208
5452	Ho 372	W ¹ X ^h . 399	24 0	12 15	78.2	13.27	8.0...12.0	1891.82	Ho 2	
5453	H 4321	8 Antliae	24 4	-30 0	225.4	10.62	6 ... 10	1848.10	J	
5454	H 5480	....	10 24 24	79 27	66.1	4±	10 ... 11	1828.7	H	"Very beautiful"

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
5455	Σ 1437	DM (74°) 438	10 ^h 24 ^m 31 ^s	74°27'	289°7	23'.49	7.2... 9.7	1832.42	Σ 2	7.2 wh.
5456	H 4322	O. Arg. S. 10681	24 41	-24 16	101.1	8±	7½...13	1835.2	H	
5457	Ku 35	DM (48°) 1872	24 52	48 0	15.6	1.17	9.4...10.0	1901.25	Ku 2	(Kustner (3881)
5458	H 482	33 <i>Leonis Minoris</i>	24 53	33 0	225±	25±	6 ...20	1820+	H	
5459	Σ 1441	P X ^h . 94	24 58	-7 1	169.3	2.59	6.4... 9.9	1830.12	Σ 7	6.4 golden
5460	H 483	DM (32°) 2040	25 11	32 48	140±	8±	9 ...11	1820+	H	
5461	Σ 1442	W ² X ^h . 478	25 25	22 39	155.2	13.33	7.2... 7.8	1831.10	Σ 6	Very wh.
5462	Hu 636	DM (33°) 2000	25 27	33 27	204.7	1.76	9.0...10.5	1902.99	Hu 2	
5463	H 2533	DM (3°) 2380	25 27	3 12	335.0	7±	10...10-11	1830+	H	
5464	H 484	....	25 49	28 16	180±	4±	9 ...13	1820+	H	
5465	H 4325	Cord. DM (30°) 8513	26 12	-30 43	168.6	12±	8½... 9	1835.1	H	
5466	H 2534	B. A. C. 3607	26 14	41 2	314.6	25±	5 ...16	1830+	H	
5467	A 345	SD (7°) 3055	26 14	-7 35	212.2	0.62	8.2...11.0	1902.20	A 2	(Bul. L. O. No. 29)
5468	Σ 1443	W ² X ^h . 494	26 21	38 18	156.3	4.77	9.0... 9.0	1829.94	Σ 3	
5469	β 1073	<i>Sextantis</i> 101	26 26	-5 27	46.9	3.02	7.0...11.5	1889.29	β 3	
5470	Σ 1445	Mü I. 5426	26 35	-0 15	167.4	2.42	8.8...11.8	1827.58	Σ 3	8.8 yel'sh
5471	H 2535	....	26 43	51 37	304.5	12±	8 ...13	1830+	II	"Very neat"
5472	Σ 1446	DM (15°) 2220	27 7	15 50	251.4	5.11	8.5... 9.3	1829.86	Σ 3	
5473	H 164	....	27 8:	6 31:	30±	20±	11 ...12	1820+	H	
5474	Σ 1447	<i>Leonis</i> 178	27 13	23 58	125.2	4.30	7.1... 8.9	1830.86	Σ 5	Very wh.: bluish
5475	Σ 1444 rej.	DM (64°) 795	27 27	64 13	268.1	15±	9 ...11	1831+	H	
5476	Σ 1448	DM (22°) 2236	27 51	22 13	258.7	10.90	7.0... 9.0	1827.28	Σ 2	7.0 yel'sh
5477	S 610	O. Arg. S. 10718	28 3	-17 13	35.9	100.86	10 ...10½	1825.18	S 2	
5478	Σ 1449	DM (35°) 2159	28 15	35 45	289.2	35.99	8.5... 8.7	1829.29	Σ 2	
5479	H 2536	....	28 17	32 14	100.5	10±	11 ...13	1830+	H	
5480	β 1269	44 <i>Hydrae</i>	28 18	-23 8	63.8	18.33	5 ...14	1892.23	β 1	
5481	β 1074	L 20453	28 20	46 16	208.4	2.10	6.4...11.2	1889.27	β 3	
5482	H 485	....	28 26	20 7	....	25±	11 = 11	1820+	H	
5483	H 4331	....	28 34	-30 29	263.3	1½	11½...11½	1836.2	H	
5484	Σ 1450	49 <i>Leonis</i>	28 45	9 16	161.1	2.39	6.0... 8.7	1830.76	Σ 6	Wh.: bluish
5485	Σ 1451	DM (27°) 1907	28 46	26 54	267.5	8.18	8.5... 9.5	1828.95	Σ 3	A and B } A and C }
5486	H 487	DM (30°) 2641	29 28	30 45	3±	6±	9 ... 9	1820+	H	
5487	Σ 1452	Mü I. 5497	29 37	3 11	329.7	10.05	9.0... 9.1	1832.66	Σ 5	
5488	Hn 107	SD (17°) 3186	29 40	-17 19	309.0	1.60	10.3...10.8	1888.91	Com 3	
5489	H 165	W ¹ X ^h . 499	29 46	12 14	330±	3±	8 ... 9	1820+	H	
5490	Weisse 24	W ² X ^h . 559	29 59	42 45	239.0	17.91	9 ... 9.3	1904.02	β 2	
5491	β 411	Lac. 4360	30 25	-26 3	294.6	1.33	6.7... 8.0	1878.28	Cin 2	
5492	β 1075	ϕ^2 <i>Hydrae</i>	30 25	-15 43	277.1	3.03	6.0...13.0	1889.14	β 3	
5493	O Σ 222	Rad ¹ . 2526	30 29	60 45	340.3	4.57	6.7...10.7	1847.72	O Σ 3	
5494	H 4336	....	30 40	-29 52	....	1½	10 ...11	1834+	H	
5495	H 2538	DM (44°) 2004	30 51	44 45	163.4	15±	9-10...12	1830+	H	
5496	Σ 1453	W ¹ X ^h . 530	30 55	-12 55	228.6	8.32	8.5... 9.7	1829.25	Σ 2	
5497	H 2539	DM (44°) 2005	30 56	44 46	51.8	16±	10 ...13	1830+	H	
5498	H 2537	....	30 59	52 35	20±	7±	9-10...13-14	1830+	H	
5499	A 556	SD (8°) 2963	31 1	-8 13	54.0	1.34	6.8...10.0	1903.04	A 2	(Bul. L. O. No. 50)
5500	O Σ 223 rej.	L 20523	31 10	41 4	146.3	18.60	7.3...12.0	1868.21	Δ 3	
5501	Σ 1454	DM (27°) 1914	31 30	27 14	307.9	3.47	7.5...10.2	1830.65	Σ 3	7.5 yel'sh
5502	H 2540	DM (5°) 2362	31 32	5 43	305.5	20±	9-10...13	1830+	H	
5503	H 834	W ¹ X ^h . 545	31 40	-9 6	220±	20±	9 ...12	1820+	H	
5504	H 4337	O. Arg. S. 10765	31 45	-18 44	246.0	5±	9 ...10	1835.2	II	
5505	H 5481	DM (28°) 1911	31 54	28 2	180±	4±	9 ...13	1827.2	H	
5506	Σ 1456	W ¹ X ^h . 534	32 7	1 52	45.3	13.52	8.0... 9.7	1833.73	Σ 2	8.0 white
5507	H 835	DM (6°) 2327	32 17	6 0	20±	12±	9-10...11	1820+	H	
5508	Σ 1457	DM (6°) 2328	32 28	6 21	287.8	0.71	7.4... 8.4	1829.55	Σ 4	Yel'sh: wh.
5509	Σ 1458	W ² X ^h . 624	10 32 45	32 20	215.4	17.74	8.0... 8.2	1830.62	Σ 3	White

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
5510	H 488	W ² X ^h . 629	10 ^h 32 ^m 50 ^s	29° 23'	30° ±	25" ±	8 ... 11	1820+	H	(See p. 1073)
5511	H 3328	....	32 57	60 14	172.4	7 ±	10-11...11	1831+	H	
5512	A 66	SD (5°) 3114	33 6	- 5 15	133.6	0.67	8.6... 9.0	1900.35	A 3	(A. N. 3668)
5513	Hn 108	SD (16°) 3103	33 18	-16 57	21.5	1.04	8.7... 9.7	1888.61	Com 3	
5514	Σ 1459	DM (39°) 2370	33 18	39 2	153.1	5.23	8.0... 8.5	1829.95	Σ 3	Yel.: wh.
5515	OΣ 224	P X ^h . 128	33 25	9 28	13.7	0.35	7.2... 9.2	1843.22	Ma 2	
5516	Σ 1460	Ursae Majoris 172	33 35	42 47	168.7	3.31	8.1... 8.1	1830.07	Σ 4	White
5517	Perrotin	W ² X ^h . 656	33 35	19 52	248.5	0.73	7.5... 9.7	1884.27	Per 3	A and B } AC=
					350.7	6.55	7.5... 9.8	1851.14	OΣ 6	AB and C } OΣ 225
5518	H 2541	....	33 40	57 50	90.0	8 ±	12 = 12	1830+	H	
5519	OΣ 226 rej.	L 20595	33 47	42 9	58.4	17.89	7 ... 11.8	1878.15	β 1	
5520	H 166	DM (12°) 2241	33 53	12 39	277.3	3 ±	11 ... 12	1830+	H	A and B }
					60 ±	20 ±	... 12	1830+	H	A and C }
5521	H 167	DM (12°) 2242	34 17	12 42	315 ±	30 ±	9 ... 13	1820+	H	White: blue.
5522	H 4339	L 20627	34 37	-12 53	61.3	30 ±	7 ...	1834+	H	8.0 in DM
					89.3	3 ±	13 = 13	1834+	H	B and C }
5523	Σ 1461	DM (47°) 1799	34 51	47 17	137.7	8.90	8.2... 9.7	1831.32	Σ 2	8.2 white
5524	Hd 128	W ² X ^h . 598	35 0	-12 28	257.3	4.03	8.2... 9.0	1869.74	Hd 2	
5525	Σ 1464	DM (0°) 2693	35 2	0 22	302.3	5.39	7.9... 10.6	1831.64	Σ 5	7.9 yel'sh
5526	A 557	A. G. Camb. 5458	35 6	28 6	129.6	4.45	9.0... 14.0	1903.34	A 3	(Bul. L. O. No. 50)
5527	OΣ 227	L 20642	35 22	11 22	326.5	0.53	7.5... 8.5	1845.64	OΣ 3	7.6 yel.
5528	Σ 1462	DM (51°) 1621	35 36	51 26	176.2	8.63	7.8... 9.7	1831.64	Σ 3	7.8 very wh.
5529	Σ 1463	DM (47°) 1803	35 46	47 19	258.3	7.49	8.5... 9.0	1831.99	Σ 3	8.5 yel'sh
5530	H 3329	....	35 46	77 27	43.6	12 ±	9-10...11	1831+	H	
5531	S 611	SD (13°) 3193	35 53	-14 5	193.8	59.33	10 ... 11	1825.18	S 2	
5532	H 4342	....	36 2	-30 7	52.5	18 ±	9 ... 13	1834.3	H	
5533	Σ 1465	DM (45°) 1855	36 10	45 15	14.4	2.24	8.5... 8.8	1829.32	Σ 3	Yel'sh wh.
5534	Hn 11	....	36 15	- 2 15	86.8	3.75	8.7... 9.5	1881.33	β 1	
5535	β 913	40 Leonis Minoris	36 26	26 57	122.8	10.92	6.0... 13.0	1880.30	β 5	
5536	A 67	SD (5°) 3126	36 28	- 5 54	209.6	1.95	8.8... 10.8	1900.35	A 3	(A. N. 3668)
5537	....	P X ^h . 135, 137	36 29	46 50	87.7	288.09	5.2... 7.2	1874.66	A 2	
5538	H 489	....	37 0	25 33	300 ±	30 ±	....	1820+	H	"Close to a bright neb. 1, 81"
5539	Σ 1466	35 Sextantis	37 7	5 23	240.6	6.72	6.1... 7.2	1832.82	Σ 4	Yel.: blue
5540	Hn 109	O. Arg. S. 10830	37 21	-20 24	141.8	1.86	10.3... 10.4	1888.91	Com 3	
5541	H 2543	DM (33°) 2021	37 23	33 7	31.0	1½	10 ... 11	1830+	H	
5542	H 3330	....	37 26	62 42	92.4	2 ±	12 ... 12-13	1831+	H	
5543	H 2542	DM (74°) 443	37 30	74 3	234 ±	15 ±	9 ... 10	1830+	H	
5544	Σ 1468	W ² X ^h . 747	38 11	21 20	334.6	3.75	8.7... 8.7	1831.27	Σ 4	Very wh.
5545	Σ 1467	DM (45°) 1860	38 13	45 36	295.3	4.21	8.0... 10.7	1831.34	Σ 3	8.0 yel'sh
5546	H0 532	DM (39°) 2376	38 25	39 7	326.0	1.18	8 ... 12	1896.34	Ho 2	(A. N. 3557)
5547	H 5482	....	38 47	76 29	43.0	5 ±	10 ... 11	1828.7	H	
5548	S 612	42 Leonis Minoris	39 1	31 19	172.6	200.30	6 ... 8	1825.20	S 2	
5549	H 836	....	39 5	28 40	20 ±	1½	16 ... 17	1820+	H	
5550	Σ 1455	....	39 11:	86 24:	244.5	33.51	8.7...	1833.57	Σ 3	A and BC }
					353.6	1.82	10.2... 10.5	1833.57	Σ 3	B and C }
5551	Σ 1469	DM (66°) 682	39 42	66 6	322.5	10.84	7.0... 10.0	1831.50	Σ 2	7.0 white
5552	β 914	L 20750	39 46	-10 14	338.6	1.30	6.8... 11.4	1880.27	β 2	
5553	H 2544	DM (51°) 1624	39 56	51 16	81.7	25 ±	9 ... 15	1830+	H	
5554	H 490	....	39 56	27 45	275 ±	7 ±	10 ... 13	1820+	H	
5555	Hn 110	O. Arg. S. 10860	40 1	-19 5	274.6	2.05	9.2... 10.2	1888.30	Com 2	
5556	Σ 1470	L 20756	40 9	- 5 8	6.2	1.38	8.2... 8.5	1833.01	Σ 4	
5557	Σ 1472	DM (13°) 2304	40 39	13 40	39.6	33.74	7.8... 8.5	1828.55	Σ 4	Yel'sh: wh.
5558	OΣ 228	L 20764	40 46	23 12	196.1	0.49	7.2... 8.1	1851.71	OΣ 5	
5559	H 4365	O. Arg. S. 10872	40 48	-27 32	99 ±	10 ±	9½... 15	1834.3	H	
5560	OΣ 229	L 20767	41 8	41 46	347.0	0.68	6.7... 7.1	1846.55	OΣ 5	
5561	H 837	DM (8°) 2414	10 41 33	8 11	340 ±	15 ±	8-9... 10	1820+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
5562	Σ 1473	P X ^h . 159	10 ^h 41 ^m 43 ^s	-14° 59'	10° 0	30'.66	8.0... 8.9	1832.02	Σ 4	White
5563	Σ 1474	L 20799	41 43	-14 38	22.2	71.67	6.9... 8.0	1831.67	Σ 5	A and B } B and C } <i>Very wh.</i>
					196.1	6.38	... 7.7	1831.67	Σ 5	
5564	H 2545	DM (56°) 1474	42 1	55 55	116.3	15±	8-9...11	1830+	H	
5565	β 595	SD (14°) 3190	42 9	-14 20	14.6	2.32	9.0...11.0	1878.21	β 1	
5566	S 615	W ^r X ^h . 731	42 18	-14 1	358.7	86.08	10 ...11	1825.18	S 2	
5567	Σ 1475 <i>rej.</i>	DM (42°) 2148	42 32	42 1	202.4	23.50	8 ...11.5	1904.02	β 2	
5568	H 4372	....	42 38	-28 7	331.8	7±	11=11	1834.3	H	
5569	Σ 1471	DM (80°) 337	43 0	80 26	3.5	2.07	9.0... 9.1	1833.79	Σ 4	White
5570	β 596	<i>Leonis</i> 222	43 2	17 47	277.3	2.38	6.5...13.0	1878.26	β 2	
5571	Ho 374	W ^r X ^h . 847	43 8	23 28	272.0	2.75	8.4...12.0	1891.56	Ho 3	
5572	Σ 1476	W ^r X ^h . 752	43 12	-3 23	353.7	1.89	7.2... 8.0	1832.61	Σ 3	White
5573	β 915	DM (25°) 2303	43 13	24 55	232.9	1.18	9.0... 9.2	1880.37	β 2	
5574	Σ 1477	W ^r X ^h . 750	43 17	13 34	275.5	17.58	8.3... 8.8	1828.89	Σ 3	Yel'sk wh.: wh.
5575	H 838	41 <i>Sextantis</i>	44 17	-8 16	305±	20±	6 ...17-18	1820+	H	
5576	Σ 1478	DM (25°) 2306	44 33	25 5	347.3	8.76	8.5...11.0	1829.20	Σ 2	
5577	H 169	....	44 51:	-3 32:	70±	2±	13 ...14	1820+	H	A and B } A and C }
					305±	25±	...15	1820+	H	
5578	H 2546	....	44 59	48 42	53.8	4±	10-11...11-12	1830+	H	
5579	β 111	SD (8°) 3023	45 11	-8 28	3.3	3.32	9.9...10.3	1875.21	Δ 3	
5580	Ho 375	L 20906	45 25	-20 53	174.1	12.30	7.5...12.0	1890.36	Ho 2	(A. N. 3233)
5581	....	L 20918	45 47	-20 37	186.0	46.01	6 ...11	1903.82	β 2	
5582	Δ 14	Mü I. 5904	45 51	-6 33	193.0	5.92	8.0...11.2	1864.82	Δ 5	A and B } AC= A and C } Σ 1481
					344.1	29.88	8.0... 8.8	1829.94	Σ 3	
5583	Σ 1482	P X ^h . 179	45 55	8 6	305.3	11.70	8.0... 8.9	1831.97	Σ 4	
5584	Ho 376	DM (23°) 2271	46 11	23 50	215.2	2.17	8.8...10.0	1890.36	Ho 2	
5585	Hu 567	DM (22°) 2285	46 26	22 47	189.0	0.65	9.3...10.0	1902.40	Hu 2	(Bul. L. O. No. 27)
5586	Hu 460	SD (17°) 3252	46 39	-18 0	84.9	0.39	8.5... 9.5	1902.32	Hu 2	(Bul. L. O. No. 21)
5587	H 2547	DM (14°) 2312	47 6	14 4	69.4	25±	9-10...10	1830+	H	
5588	Welsae 25	W ^r X ^h . 833	47 8	12 12	....	....	9 ...	....	....
5589	H 1180	....	47 12	4 30	35±	12±	11 ...12	1828+	H	
5590	S 617	L 20956	47 19	-1 37	177.8	35.22	6 ...10	1824.22	S 2	
5591	A 132	L 20958	47 20	-10 7	200.8	4.23	8.5... 9.3	1901.26	A 2	
5592	Σ 1483	DM (48°) 1898	47 30	48 8	67.2	3.30	8.7... 8.7	1832.30	Σ 3	White
5593	....	45 <i>Hydras</i>	47 37	-19 29	210±	135±	5 ...	1873.29	β	A and B } B and C }
					130±	5±	9.0...10.0	1873.29	β	
5594	Ma 5	....	47 38	-1 29	15.4	0.4	7 ...	1843.29	Ma 1	
5595	Σ 1484	DM (46°) 1673	47 40	46 6	338.5	11.95	8.7...12.0	1832.32	Σ 2	
5596	Σ 1485 <i>rej.</i>	DM (44°) 2028	47 44	44 13	....	Cl. IV	8 ...11	....	Σ	From Cat. Nov. (See p. 1073) 7.5 yel.
5597	Σ 1486	DM (52°) 1522	47 52	52 46	102.8	28.32	7.5... 8.8	1831.38	Σ 3	
5598	Hu 568	DM (21°) 2260	48 0	21 22	32.4	0.35	9.3... 9.8	1902.40	Hu 2	
5599	O Σ 230	L 20971	48 5	21 25	4.7	8.65	7.7...11.2	1846.95	O Σ 3	
5600	β 597	DM (24°) 2285	48 20	24 24	46.9	0.88	8.5...11.0	1878.22	β 2	
5601	H 2548	....	48 40	70 41	22.5	15±	10-11...14	1830+	II	A and B } A and C }
					208.0	18±	...14	1830+	II	
5602	Σ 1480 <i>rej.</i>	....	48 41:	82 51:	....	Cl. IV	8-9...10	....	Σ	
5603	Σ 1487	54 <i>Leonis</i>	49 7	25 23	102.8	6.17	5.0... 7.0	1830.35	Σ 4	Probably DM (80°) 701 Greenish wh.: blue
5604	O. Stone 20	O. Arg. S. 10977	49 29	-26 26	207.2	3.81	9.0... 9.5	1885.68	W 2	
5605	β 1076	55 <i>Leonis</i>	49 32	1 23	49.7	0.99	5.8...10.3	1889.28	β 3	
5606	Hu 111	....	49 38	-17 40	69.0	5.10	8.8...11.0	1888.76	Com 2	Yel.: blue
5607	Σ 1488 <i>rej.</i>	DM (52°) 1526	49 39	52 49	....	Cl. IV	8 ...11	....	Σ	
5608	Σ 1479	Redhill 1619	49 58	83 52	22.0	4.60	8.0... 9.0	1833.14	Σ 4	Yel'sk: wh.: ashy wh.
5609	H 491	DM (28°) 1953	50 1	28 33	130±	15±	9 ...10	1820+	H	
5610	H. V. 62	57 <i>Leonis</i>	50 1	1 4	....	33.27	....	1783.09	H 1	
5611	Hu 726	DM (35°) 2195	50 2	35 22	....	....	9.1...	1902.	Hu	
5612	H 2549	DM (53°) 1448	10 50 5	53 33	139.0	15±	9-10...11	1830+	II	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
5613	Σ 1489 <i>ref.</i>		10 ^h 50 ^m 14 ^s	18° 17'	....	....	8...9...10	....	Z	
5614	Σ 1490 <i>ref.</i>	....	50 14:	18 16:	....	CL IV	8 ...10	....	Z	
5615	S 618	SD (20°) 3299	50 17	-20 28	215°7	79°10	10 ...10½	1825.23	S 2	
5616	A 68	SD (2°) 3254	50 46	-2 18	94.0	0.39	8.8... 9.0	1900.34	A 2	(A. N. 3668)
5617	Σ 1492 <i>ref.</i>	DM (31°) 2207	51 1	31 18	166.9	20±	8-9...13	1830+	H	From H (v)
5618	Σ 1493 <i>ref.</i>	DM (0°) 2720	51 13	0 28	....	CL IV	7-8...11	....	Z	From Cat. Nov.
5619	H 4384	....	51 13	-26 16	45±	8±	11=11	1834+	H	
5620	Σ 1491	DM (62°) 1156	51 18	62 21	31.8	14.08	8.0...11.2	1832.67	Z 4	8.0 <i>yel.</i>
5621	H 2551	....	51 22	13 52	....	30±	10 ...11	1830+	H	"Taken by mistake for Σ 1496"
5622	Hu 637	SD (17°) 3265	51 38	-17 40	66.3	5.20	8.0...11.0	1901.01	Hu 3	
5623	Σ 1494	DM (37°) 2139	51 45	37 40	329.9	10.06	8.3...10.0	1829.32	Z 3	8.3 <i>wh.</i>
5624	Σ 1496	DM (14°) 2324	51 59	13 55	352.8	18.96	8.0...10.0	1828.53	Z 3	8.0 <i>wh.</i>
5625	Σ 1497 <i>ref.</i>	DM (9°) 2434	52 22	9 46	....	CL III	9 ... 9	....	Z	
5626	H 2550	....	52 28	74 18	77.5	6±	10 ...11	1830+	H	
5627	Σ 1495	DM (59°) 1338	52 28	59 33	38.2	34.49	6.0... 8.3	1833.07	Z 3	<i>Yel'sh.</i> <i>wh.</i>
5628	H 4389	O. Arg. S. 11018	52 33	-30 55	336.7	8±	9 ...10	1834.3	H	
5629	A. G. 172	DM (23°) 2228	53 22	23 35	....	....	8.6...	1902.27	....
5630	A 133	SD (6°) 3278	53 25	-6 42	20.9	0.29	9.1... 9.1	1901.29	A 3	
5631	Ho 46	....	53 40	36 45	97.2	2.01	10 ...10	1885.33	Ho 2	
5632	Σ 1498 <i>ref.</i>	DM (67°) 677	53 49	67 6	289.4	28±	8 ...11	1831+	H	From H (vi)
5633	Σ 1500	SD (2°) 3264	53 55	-2 50	330.9	1.06	7.6... 8.2	1825.22	Z 2	<i>Yel'sh.</i>
5634	A 134	SD (6°) 3282	54 0	-6 19	147.6	1.53	9.7... 9.8	1901.29	A 3	
5635	O. Stone 21	O. Arg. S. 11040	54 18	-25 24	155.3	6.01	10.0...10.0	1877.09	Cin 1	
5636	Hu 128	SD (11°) 2993	54 18	-11 6	46.1	1.11	8.5...11.2	1900.30	Hu 3	(A. J. 485)
5637	A. G. 173	A. G. Ab. 4181	54 22	3 37	126.5	1.69	9.1... 9.3	1902.66	M 3	
5638	H 2552	DM (52°) 1533	54 25	52 50	144.4	18±	9-10...14	1830+	H	
5639	β 598	59 <i>Leonis</i>	54 32	6 45	220.9	46.76	5.5...13	1878.24	β 1	
5640	H 1181	O. Arg. S. 11046	54 40	-17 41	270±	75±	8 ... 9	1828+	H	
5641	Weisse 26	W ^r X ^b . 1070	54 48	21 44	....	15±	8 ... 9	....	....
5642	H 1182	W ^r X ^b . 965	54 55	0 42	130±	22±	8 ...13-14	1828+	H	
5643	H 492	....	55 12	18 50	....	3±	10 ...11	1820+	H	
5644	Σ 1502	DM (15°) 2277	55 42	15 16	284.5	12.44	8.5... 9.3	1828.53	Z 3	8.5 <i>yel'sh.</i>
5645	Σ 1501	DM (31°) 2222	55 44	31 28	186.0	1.96	9.0... 9.3	1831.27	Z 5	
5646	Σ 1503	DM (10°) 2234	55 55	10 33	269.4	11.29	8.5... 9.7	1828.20	Z 2	
5647	H 172	DM (10°) 2235	55 55	10 23	273±	10±	10=10	1820+	H	
5648	H 2553	DM (8°) 2448	55 56	8 5	....	....	....	1830+	H	
5649	H 493	....	56 4	33 32	330±	15±	10 ...11	1820+	H	"Point to 11¼ m. star 40° dist."
5650	M. L. 77	L 21178	56 12:	-15 8:	7.6	CL I	....	1783.18	H 1	
5651	Ho 47	L 21171	56 18	36 19	286.4	120.05	7 ...	1883.37	Ho 1	A and BC }
					140.3	0.62	9.0... 9.0	1884.36	Ho 2	B and C }
5652	β 1077	α <i>Ursae Majoris</i>	56 19	62 24	326.1	0.91	2.0...11.1	1889.19	β 4	
5653	H 173	W ^r X ^b . 991	56 31	-2 53	175±	30±	7 ...20	1820+	H	
5654	H 2555	....	56 37	39 13	41.4	9±	10-11...11	1830+	H	
5655	H 2554	DM (45°) 1887	56 54	44 58	269.5	....	7-8... 9-10	1830+	H	"Diff. R. A. = 64.0"
5656	Howe 25	O. Arg. S. 11086	57 28	-26 52	330.8	2.52	8.0... 9.0	1877.12	Cin 2	
5657	Ho 48	W ^r X ^b . 1130	57 31	23 48	6.7	1.66	8.0...11.2	1882.74	Ho 3	
5658	Ho 49	O. Arg. N. 11384	57 36	57 38	357.1	7.20	8.0...11.2	1883.86	Ho 2	
5659	Σ 1504	P X ^b . 229	57 48	4 17	275.7	1.07	7.5... 7.6	1829.13	Z 5	<i>White</i>
5660	Ho 377	51 <i>Ursae Majoris</i>	57 51	38 53	249.5	8.42	6.0...12.5	1891.31	Ho 2	
5661	Σ 1499	Redhill 1643	57 59	83 45	313.5	7.14	8.5... 9.3	1830.03	Z 3	<i>White</i>
5662	Σ 1505	DM (63°) 940	58 15	63 16	313.8	8.12	8.0... 9.7	1831.96	Z 2	8.0 <i>yel'sh.</i>
5663	H 174	W ^r X ^b . 1025	58 15	13 19	20±	35±	6 ... 9	1820+	H	In DM 6.5 m.
5664	Ho 378	L 21224	58 18	39 4	219.1	0.40	8.0... 8.2	1891.32	Ho 2	
5665	....	χ <i>Leonis</i>	58 30	7 59	303.3	287.66	5.0... 9.0	1882.33	OZ 1	
5666	Σ 1506	W ^r X ^b . 1033	58 38	-3 34	211.9	10.37	8.0...10.8	1829.88	Z 3	8.0 <i>yel.</i>
5667	Hu 638	DM (51°) 1648	10 58 53	51 28	328.3	1.96	8.5...10.8	1903.00	Hu 3	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
5668	H 1184	....	10 ^h 59 ^m 8 ^s	46° 38'	30° ±	5' ±	10 ... 15	1828+	H	A and B }
					110 ±	15 ±	... 12	1828+	H	A and C }
5669	H 1183	DM (76°) 412	59 9	76 35	165.0	16 ±	8 ... 13	1828+	H	
5670	A 69	SD (5°) 3197	59 23	- 5 47	88.8	1.05	8.6... 9.4	1900.34	A 3	(A. N. 3668)
5671	Σ 1507	P X ^h . 239	59 54	7 41	164.8	8.03	8.2... 10.3	1833.28	Z 3	8.2 <i>yel'sh</i>
5672	Σ 1509	SD (12°) 3346	11 0 31	-12 46	15.1	32.95	7.2... 9.0	1828.70	Z 2	7.2 <i>yel.</i>
5673	H 2556	....	0 33:	57 51	....	3 ±	11 ... 12	1830+	H	"R.A. possibly a good deal wrong"
5674	Σ 1508 <i>rej.</i>	....	0 43	69 4	239.8	3 ±	11 = 11	1830+	H	
5675	H 1185	....	0 47	29 10	30 ±	....	....	1828+	H	
5676	β 599	65 <i>Leonis</i>	0 47	2 36	82.4	1.78	5.5... 11.5	1878.20	β 4	
5677	H 2557	DM (44°) 2055	0 52	44 8	209.8	18 ±	9-10... 9-10+	1830+	H	
5678	Σ 1511	DM (11°) 2311	0 55	11 34	286.0	7.64	8.5... 8.8	1829.88	Z 3	<i>White</i>
5679	Σ 1510	<i>Ursae Majoris</i> 218	1 2	53 28	341.9	3.90	7.1... 8.4	1832.11	Z 4	<i>Wh.: ash</i>
5680	H 2558	W ² X ^h . 1203	1 17	21 48	270.0	12 ±	7-8... 15	1830+	H	
5681	Σ 1512	O. Arg. N. 11450	1 52	63 9	50.6	9.41	8.0... 8.5	1831.96	Z 2	<i>White</i>
5682	H 2559	....	1 53	43 9	268.5	5 ±	11 = 11	1830+	H	
5683	H 839	W ² X ^h . 1096	2 1	7 14	105 ±	10 ±	7-8... 10	1820+	H	
5684	H V. 68	DM (3°) 2463	2 17	3 52	....	54.62	....	1783.16	H 1	
5685	H 4410	O. Arg. S. 11162	2 19	-15 19	205.3	15 ±	7 ... 15	1836.4	H	
5686	H IV. 106	DM (64°) 834	2 25	63 58	134.5	18.92	....	1783.34	H 1	
5687	H 176	....	2 54:	11 44:	30 ±	10-12	10 ... 12	1820+	H	
5688	H 2560	DM (56°) 1504	3 11	56 21	126.0	25 ±	9 ... 13	1830+	H	
5689	H 177	SD (2°) 3297	3 21	- 2 46	110 ±	2 ±	....	1820+	H	
5690	H 2561	DM (39°) 2426	3 41	39 18	223.0	16 ±	9 ... 12-13	1830+	H	
5691	S 621	Rad ² . 2628	3 57	66 40	25.5	43.43	9 ... 9½	1825.14	S 2	A and B }
					296.6	203.20	... 8	1825.18	S 2	A and C }
5692	Σ 1514	DM (66°) 706	4 7	66 46	334.9	1.15	8.4... 10.0	1832.92	Z 4	
5693	H 4412	O. Arg. S. 11200	4 11	-28 57	269.0	12 ±	9½... 9½	1834.3	H	
5694	H 2562	DM (31°) 2238	4 12	31 49	347.2	1½	9-10... 12	1830+	H	
5695	OZ 231 <i>rej.</i>	L 21368	4 30	31 6	264.7	36.63	7.7... 8.7	1844.31	OZ 1	A and B }
					341.7	152.98	... 8.0	1881.85	OZ 2	A and C }
5696	Σ 3067	SD (5°) 3223	4 53	- 5 40	234.4	21.16	8.5... 9.2	1830.24	Z 3	
5697	Σ 3068	SD (8°) 3099	5 21	- 8 42	314.3	19.72	9.2... 9.2	1831.23	Z 3	
5698	H 3331	....	5 24	61 16	331.0	2 ±	13 = 13	1831+	H	
5699	OZ (App) 108	W ² X ^h . 73	6 2	36 28	71.7	128.37	6.2... 7.0	1876.56	Δ 3	
5700	H 494	DM (40°) 2407	6 26	40 50	325 ±	20 ±	9 ... 9+	1820+	H	
5701	H 2563	....	6 30	58 0	43.0	3 ±	13 ... 14	1830+	H	
5702	β 220	<i>Crateris</i> 22	6 33	-17 51	143.6	0.58	6.4... 7.0	1875.27	Δ 2	
5703	Ku 36	DM (38°) 2216	6 40	38 50	137.1	8.85	9.8... 9.8	1901.38	Ku 2	Kustner (3821)
5704	Ho 254	DM (34°) 2206	6 49	34 6	164.7	2.31	6.5... 12.5	1887.33	Ho 2	
5705	Ho 50	W ² X ^h . 94	7 2	41 44	31.2	3.10	7.0... 10.0	1882.35	Ho 2	
5706	Σ 1516	DM (74°) 456	7 16	74 7	298.7	9.93	7.0... 7.5	1831.55	Z 2	A and B }
					294.1	8.19	... 10.2	1858.87	OZ 3	A and C } (AC= OZ 539)
5707	Σ 1517	P X ^h . 9	7 24	20 47	287.8	1.05	7.3... 7.3	1829.70	Z 5	<i>Yel'sh</i>
5708	Arg. 24	O. Arg. S. 11241	7 36	-15 19	350.9	17.92	9.0... 9.2	1883.56	W 3	
5709	β 1282	δ <i>Leonis</i>	7 43	21 11	204.3	0.36	9 ... 9.3	1899.44	A 3	B and C }
					344.5	187.32	3 ...	1899.13	β 1	A and BC }
5710	β 916	<i>Crateris</i> 31	8 4	-14 47	357.7	0.64	7.0... 8.2	1888.45	Lv 3	
5711	β 1283	DM (16°) 2235	8 7	16 10	240.5	0.35	9.2... 10.0	1904.27	A 1	
5712	H 178	....	8 17:	- 1 45:	15 ±	10 ±	11 ... 13	1820+	H	"A 9 m. star β"
5713	Σ 1518 <i>rej.</i>	DM (6°) 2421	8 18	5 55	....	Cl. I	10 ... 10	....	....
5714	OZ 232	L 21483	8 28	38 14	238.1	0.72	7.0... 7.8	1849.93	OZ 5	
5715	Σ 1519	DM (60°) 1316	8 31	60 26	290.8	1.30	8.2... 9.2	1832.76	Z 3	<i>Yel'sh</i>
5716	H 4418	Cond. DM (29°) 8937	8 35	-29 15	259.4	5 ±	10 = 10	1834.3	H	
5717	A 135	SD (9°) 3243	8 35	- 9 15	156.4	4.19	8.5... 12	1901.29	A 2	
5718	H 5483	DM (11°) 2338	11 8 38	10 54	235 ±	15 ±	10 ... 13	1823+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
5719	Hu 639	DM (48°) 1925	11 ^h 8 ^m 43 ^s	48° 8'	274.2	0.32	7.5... 7.5	1902.99	Hu 2	
5720	Σ 1521	DM (28°) 1979	8 55	28 14	95.2	3.66	7.2... 7.5	1829.32	Σ 3	Very wh.
5721	OE (App) 109	O. Arg. N. 11601	9 1	46 31	257.6	78.94	7.4... 8.0	1877.04	Δ 4	
5722	Σ 1520	Ursae Majoris 234	9 9	53 25	345.3	12.99	6.5... 7.8	1831.71	Σ 3	Wh.: bluish
5723	Hu 461	SD (16°) 3215	9 20	-16 50	64.4	1.60	8.5... 9.5	1902.32	Hu 3	(Bul. L. O. No. 21)
5724	Sh 372	O. Arg. S. 11263	9 42	-15 42	306±	20±	7 ... 9	....	Sh	
5725	Σ 1522	DM (2°) 2408	9 57	2 14	183.1	2.28	8.7... 11.7	1830.04	Σ 4	
5726	A 558	A. G. Camb. 5691	10 0	28 5	338.8	2.87	8.7... 14.5	1903.33	A 3	(Bul. L. O. No. 50)
5727	H 2564	....	10 3	42 55	128.7	20±	9 ... 10	1830+	H	
5728	H 2565	DM (8°) 2482	10 16	8 16	8.9	10±	10 ... 11	1830+	H	
5729	Sh 121	φ Leonis	10 34	-3 0	286.9	106.25	5 ... 8½	1821.23	Sh 1	
5730	A 5	L 21535	10 43	-4 30	339.4	0.67	8.6... 9.0	1899.34	A 3	(A. N. 3635)
5731	H 4422	Cord. DM (29°) 8968	10 51	-29 27	351.5	7±	9½... 11	1835.2	H	"Double" in Cord.
5732	β 600	Crateris 36	10 53	-6 29	226.4	1.25	6.5... 12.0	1878.15	β 1	A and B }
					97.6	67.06	... 8	1823.31	Sh 1	A and C }
5733	OE 233	Rad. 2657	11 26	67 20	334.7	4.98	6.9... 9.8	1849.87	OE 4	
5734	Σ 1523	ξ Ursae Majoris	11 48	32 13	238.7	1.75	4.0... 4.9	1826.20	Σ 3	
5735	Σ 1524	ν Ursae Majoris	12 0	33 45	146.5	7.09	3.7... 10.1	1830.69	Σ 5	3.7 very gel.
5736	Wn 3	DM (52°) 1554	12 10	51 58	210.3	6.79	8.2... 9.5	1880.37	β 1	
5737	Hu 129	SD (12°) 3393	12 15	-12 44	350.2	0.66	9.0... 10.8	1900.31	Hu 2	(A. J. 485)
5738	Σ 1526	DM (3°) 2482	12 29	3 29	180.4	30.40	8.8... 9.0	1828.95	Σ 3	
5739	Σ 1527	Leonis 339	12 43	14 56	10.1	3.88	6.9... 8.1	1829.30	Σ 4	Very wh.: bluish
5740	Σ 1525	DM (48°) 1932	12 47	48 8	177.7	2.31	9.0... 9.0	1832.04	Σ 3	White
5741	H 179	....	12 51:	12 9:	315±	6±	12 ... 13	1820+	H	
5742	Hu 130	SD (10°) 3239	12 52	-11 7	134.4	1.19	8.2... 8.4	1900.25	Hu 3	(A. J. 485)
5743	H 495	....	12 54	35 46	140±	20±	11 ... 11+	1820+	H	
5744	Σ 1529	L 21586	13 17	-0 59	250.9	9.32	7.0... 8.0	1833.26	Σ 3	Yel'sh wh.: ash
5745	A 136	L 21587	13 17	-6 55	291.7	1.27	8.3... 11.0	1901.25	A 3	
5746	Σ 1528 ref.	L 21585	13 22	10 36	225±	20±	8.7... 11	1823+	H	From H (VII)
5747	β 791	W ⁺ Xi ^b . 197	13 26	7 32	199.9	2.06	8.3... 10.3	1881.32	β 3	
5748	Σ 1530	W ⁺ Xi ^b . 203	13 40	-6 15	314.6	7.65	7.8... 8.2	1830.23	Σ 3	White
5749	H 2566	DM (6°) 2436	14 19	6 10	160.3	10±	9 ... 15	1830+	H	(See p. 1073)
5750	Σ 1531	DM (23°) 2336	14 23	23 32	166.6	23.12	8.5... 9.5	1829.24	Σ 2	8.5 yel'sh
5751	H 496	DM (37°) 2174	15 5	37 26	325±	20±	9 ... 10	1820+	H	(See p. 1073)
5752	H 1186	....	15 9	77 5	285.3	9±	12 ... 15	1828+	H	
5753	H 2569	....	15 10	7 0	150.3	4±	11 ... 14	1830+	H	
5754	H 2567	....	15 13:	70 3	221.6	12±	9 ... 10	1830+	H	
5755	H 2568	....	15 15	44 17	250.7	10±	10-11... 10-11	1830+	H	"Point exactly to a third"
5756	O. Stone 22	O. Arg. S. 11330	15 27	-19 48	307.1	6.34	8.2... 10.5	1877.12	Cin 2	
5757	Σ 1534	DM (19°) 2443	15 33	18 51	340.6	4.84	8.0... 11.2	1830.76	Σ 4	8.0 yel.
5758	Σ 1533	W ⁺ Xi ^b . 257	15 36	37 45	172.8	23.14	8.2... 8.4	1829.53	Σ 4	White
5759	Σ 3069 ref.	W ⁺ Xi ^b . 238	15 40	-1 3	219.4	17.41	8.5... 9.8	1904.31	β 2	
5760	A. G. 174	A. G. Chris. 1748	15 52	65 23	105.1	2.06	10.0... 10.3	1892.40	β 1	
5761	H 4428	Cord. DM (30°) 9150	16 40	-30 15	280.7	15±	9 ... 11	1834+	H	"The φ of two"
5762	Σ 1535	Mu I. 6651	16 45	1 35	61.2	10.46	8.7... 11.3	1828.97	Σ 3	
5763	H 4430	Cord. DM (30°) 9154	17 8	-30 14	....	18±	9 ... 11	1835.2	H	"The φ of two"
5764	H 1188	....	17 26	77 0	208.8	15±	10 ... 11	1828+	H	
5765	Σ 1536	ι Leonis	17 39	11 12	92.4	2.19	3.9... 7.1	1832.01	Σ 12	Yel'sh: blue
5766	β 26	L 21697	17 42	-9 46	70.3	2.80	7.2... 10.2	1875.50	Δ 4	
5767	Arg. 25	O. Arg. S. 11357	17 51	-27 51	300±	15±	9 ... 9+	1876	β	
5768	H.C. Wilson 9	....	18 :	-9 50	178.9	11.27	9.7... 10.5	1883.28	W 2	
5769	H 180	DM (14°) 2383	18 3	14 50	20±	25±	9 ... 12	1820+	H	
5770	Σ 1537	Leonis 364	18 10	21 17	356.4	2.48	7.6... 8.6	1831.60	Σ 7	Wh.: ash
5771	H 2570	DM (42°) 2203	18 15	42 8	....	....	....	1830+	H	
5772	Σ 3070	SD (3°) 3109	18 24	-3 44	276.3	7.96	8.8... 9.2	1831.36	Σ 3	
5773	H 840	γ Crateris	11 18 54	-17 1	105±	3±	4 ... 13	1820+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
5774	Ku 37	DM (49°) 2051	11 ^h 19 ^m 15 ^s	49° 48'	325° 5	1' 96	9.5...10.3	1901.27	Ku 3	Kustner (3821)
5775	H 4433	81 Leonis	19 21	17 8	316.7	60±	7 ... 10	1836.21	H	
5776	A 137	L 21746	19 26	- 7 12	60.6	0.30	8.5... 9.0	1901.27	A 3	
5777	H 497	DM (27°) 2020	19 28	27 44	60±	25±	9 ... 10	1820+	H	
5778	H 1189	DM (4°) 2464	19 49	4 37	120±	15±	10 ... 11	1828+	H	
5779	Σ 1540	83 Leonis	20 42	3 40	150.0	29.58	6.3... 7.3	1832.71	Σ 3	White
5780	Ku 38	DM (19°) 2455	20 57	19 47	234.0	6.15	9.8... 9.9	1901.36	Ku 2	Kustner (3821)
5781	Σ 1541	DM (47°) 1873	21 4	46 57	29.8	7.53	7.8... 10.2	1831.40	Σ 3	7.8 wh.
5782	A 138	L 21801	21 12	- 8 13	213.3	1.65	7.9... 9.3	1901.27	A 3	
5783	Hu 462	SD (14°) 3326	21 21	-14 11	220.1	0.54	8.0... 8.4	1902.32	Hu 3	(Bul. L. O. No. 21)
5784	Innes 76	Cor. DM (30°) 9211	21 24	-30 5	50.5	7.06	10.0... 10.5	1902.33	I	
5785	Σ 1542	DM (45°) 1927	21 25	45 14	265.0	2.54	7.0... 10.5	1831.75	Σ 3	7.0 wh.
5786	H 498	....	21 31	34 43	70±	12±	10 ... 10+	1820+	H	
5787	Σ 1539	Camelopardali 201	21 35	81 42	313.1	18.99	8.0... 9.2	1832.80	Σ 2	Yel'sh wh.: wh.
5788	H 4437	Lac. 4750	21 41	-23 3	324.6	12±	9 ... 10	1835.2	H	
5789	H 499	DM (37°) 2181	21 44	36 58	248±	27±	8 ... 11	1820+	H	
5790	Σ 19, App. I	τ Leonis	21 46	3 31	169.6	94.76	5.0... 7.0	1834.94	Σ 5	Yel.: wh.
5791	Σ 3071 rej.	W ¹ Xi ^b . 353	21 52	- 1 16	....	Cl. IV	8-9... 11	....	....
5792	H 4439	....	22 17	-30 35	101.5	15±	8 ... 9	1834.4	H	
5793	Σ 1543	57 Ursae Majoris	22 37	40 0	10.7	5.37	5.2... 8.2	1831.91	Σ 6	Wh.: ash
5794	Lewis 11	L 21846	22 56	31 6	7.1	0.89	7.0... 11.0	1900.49	L 6	
5795	A 70	SD (3°) 3128	23 7	- 3 47	354.5	4.93	7.3... 14	1900.16	A 3	(A. N. 3668)
5796	β 601	SD (16°) 3259	23 15	-16 41	226.9	0.81	8.0... 9.0	1878.32	β 1	B and C
					328.7	26.25	... 9	1783.34	β 1	A and BC
5797	A 6	SD (2°) 3357	23 15	- 3 3	53.9	2.18	8.8... 12.7	1899.45	A 2	
5798	H 4572	DM (12°) 2340	23 19	12 18	190.4	25±	9-10... 10	1834+	H	
5799	A 7	SD (5°) 3300	23 35	- 5 39	261.4	0.50	8.9... 9.0	1899.44	A 3	
5800	Jacob 6	Hydrae 271	23 41	-23 47	76.8	8.06	5½... 7½	1847.3	J	
5801	OΣ (App) 111	W ² Xi ^b . 413	23 44	30 38	33.0	66.41	7.0... 9.0	1875.59	Δ 2	
5802	H 2573	SD (4°) 3082	23 46	- 4 18	16.3	5±	10 ... 11	1830+	H	
5803	β 340	W ¹ Xi ^b . 390	23 49	3 52	7.2	3.87	8.0... 10.2	1876.33	Δ 3	
5804	Sh 126	....	24 17:	42 1:	90.3	13.04	7 ... 8	1823.31	Sh 2	
5805	OΣ 234	L 21874	24 20	41 57	177.5	0.43	7.0... 7.4	1844.66	OΣ 3	
5806	Σ 1544	O. Arg. N. 11820	24 32	60 22	89.5	12.46	7.0... 8.0	1831.85	Σ 3	White
5807	Σ 3072	P Xi ^b . 91	24 44	- 6 3	331.8	9.38	7.4... 10.4	1831.65	Σ 5	7.4 yel'sh
5808	A 559	A. G. Camb. 5788	24 52	28 12	153.7	1.98	8.0... 12.2	1903.35	A 3	(Bul. L. O. No. 50)
5809	H 500	DM (36°) 2196	25 25	36 32	33±	15±	9 = 9	1820+	H	
5810	Ho 51	Schj. 4166	25 29	8 32	173.6	2.71	7 ... 12	1882.26	Ho 2	
5811	OΣ 235	B. A. C. 3918	25 32	61 45	293.0	0.60	6.0... 7.3	1844.90	OΣ 2	
5812	Σ 1547	88 Leonis	25 34	15 2	319.9	15.30	6.4... 8.4	1829.02	Σ 4	Yel'sh: blue
5813	Σ 1546	DM (56°) 1523	25 45	56 45	343.2	11.54	7.7... 10.0	1832.00	Σ 3	7.7 white
5814	H 2574	DM (53°) 1495	25 55	53 41	73.3	35±	9-10... 10	1830+	H	
5815	Σ 1548	SD (2°) 3364	25 59	- 2 52	127.3	10.35	7.7... 8.7	1827.75	Σ 2	
5816	H 3332	....	26 4	67 44	85±	3±	11 ... 13	1831+	H	
5817	Kr 38	A. G. Hels. 6801	26 5	60 44	54.3	2.60	9.0... 9.2	1891.29	β 1	
5818	H 5484	....	26 9	8 7	60±	5±	12 = 12	1823+	H	
5819	Σ 1549	DM (25°) 2389	26 18	24 59	115.8	14.03	8.5... 9.5	1828.75	Σ 2	
5820	H III. 96	17 Crateris	26 19	-28 36	205.5	9.77	....	1783.02	β 1	
5821	Kr 39	A. G. Hels. 6807	26 36	58 28	156.2	10.74	9.0... 9.3	1891.29	β 1	
5822	Hu 727	DM (50°) 1835	26 40	50 7	18.3	1.05	8.8... 9.2	1903.03	Hu 1	
5823	Hd 130	L 21940	26 58	-22 47	78.9	8.92	7.0... 10	1868.25	Hd 1	
5824	H 2575	....	27 2	29 52	210.4	9±	13 = 13	1830+	H	
5825	H 502	DM (37°) 2194	27 13	37 42	220±	5±	10 ... 14	1820+	H	H (V)
5826	A 139	L 21948	27 20	- 8 28	152.1	1.36	8.6... 9.8	1901.30	A 3	
5827	H 2576	....	27 21	23 4	167.2	4±	11 ... 12	1830+	H	
5828	Σ 1550 rej.	DM (64°) 855	11 27 51	64 18	....	Cl. IV	8-9... 10-11	....	Σ	(See p. 1073) From Cat. Nov.

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
5829	H 2577	DM (28°) 2016	11 ^h 28 ^m 10 ^s	28° 26'	185° 7'	8" ±	9 ... 16	1830+	H	
5830	Σ 1551	O. Arg. N. 11873	28 14	71 28	108.7	6.37	8.5...10.2	1832.51	Σ 4	8.5 <i>yel'sh</i>
5831	H 2578	....	28 17	28 25	....	18 ±	10 ... 15	1830+	H	
5832	A 71	SD (4°) 3089	28 25	- 4 44	230.6	1.86	8.5...13.8	1900.18	A 2	(A. N. 3668)
5833	Σ 1552	90 <i>Leonis</i>	28 28	17 28	209.4	3.01	6.0... 7.3	1829.94	Σ 5	A and B } <i>Wh.</i> A and C } <i>bluish wh.</i>
5834	A 72	SD (4°) 3098	28 34	- 4 56	196.4	2.18	9.0...12.0	1900.18	A 3	(A. N. 3668)
5835	A. G. 175	A. G. Alb. 4308	28 36	2 10	186.8	1.98	8.6... 8.9	1903.18	β 3	
5836	H 182	....	29 2:	12 8:	255 ±	10 ±	13 ... 14	1820+	H	
5837	OΣ 236	Rad'. 2713	29 22	67 0	209.2	2.33	7.5...11.0	1847.00	OΣ 3	
5838	Hu 463	SD (14°) 3353	29 26	-14 30	35.8	1.44	8.9... 9.4	1902.32	Hu 3	(<i>Bul. L. O. No. 21</i>)
5839	A 73	SD (4°) 3103	29 50	- 4 24	319.3	0.62	9.0... 9.7	1900.18	A 3	(A. N. 3668)
5840	Σ 1554	DM (13°) 2433	29 55	13 31	75.4	1.01	8.8=8.8	1829.29	Σ 3	
5841	Σ 1555	P XI ^h . 111	29 59	28 27	339.3	1.24	6.4... 6.8	1829.12	Σ 5	A and B } <i>AB wh.</i> AB and C }
5842	Σ 1553	O. Arg. N. 11900	30 3	56 48	171.5	5.34	7.3... 7.8	1832.58	Σ 5	<i>White</i>
5843	Σ 1556	DM (12°) 2350	30 4	12 49	230.7	8.86	9.5... 9.5	1829.25	Σ 2	
5844	H 2579	DM (30°) 2177	30 22	30 3	349.6	12 ±	10 ... 10-11	1830+	H	"Neat"
5845	Hu 131	SD (13°) 3409	30 26	-13 15	158.1	3.22	9.0...10.2	1900.30	Hu 3	(A. J. 485)
5846	Σ 1558	DM (22°) 2381	30 26	22 8	158.3	1.36	8.7... 9.2	1828.79	Σ 4	A and B }
5847	H 1191	....	30 28	4 16	272 ±	8 ±	11 ... 12	1828+	H	AB and C }
5848	β 456	L 22020	30 44	-11 41	68.2	0.65	10 ... 10	1877.35	H1 2	
5849	H 4456	O. Arg. S. 11513	30 47	-23 46	122.9	20 ±	8 ... 12	1836.2	H	
5850	Ku 39	DM (48°) 1958	30 48	48 8	21.7	2.47	9.5... 9.8	1901.90	Ku 2	Kustner (3821)
5851	Hu 728	DM (50°) 1845	31 22	50 28	108.2	0.36	7.5... 8.5	1900.03	Hu 1	
5852	H 1192	O. Arg. S. 11520	31 32	-16 16	357 ±	14 ±	10 ... 11	1828+	H	
5853	H 183	W ^s XI ^h . 529	31 48	13 37	20 ±	60 ±	....	1820+	H	
5854	Σ 1559	<i>Ursae Majoris</i> 284	32 5	65 1	321.7	2.09	6.7... 7.7	1836.55	Σ 3	<i>White</i>
5855	Σ 1560	B. A. C. 3955	32 15	- 1 46	280.6	5.09	6.0...10.2	1831.58	Σ 3	6.0 <i>very yel.</i>
5856	H 505	....	32 25	30 28	310 ±	4 ±	11 = 11	1820+	H	H (V), 12...12
5857	H 506	DM (39°) 2460	32 27	39 50	135 ±	15 ±	7 ... 15	1820+	H	
5858	Σ 1561	<i>Ursae Majoris</i> 290	32 29	45 46	266.0	10.46	5.9... 8.0	1831.68	Σ 4	<i>Yel'sh wh.; ash</i>
5859	OΣ 237	L 22071	32 34	41 49	287.0	0.74	7.4... 9.0	1845.82	OΣ 4	
5860	Σ 1562 <i>rej.</i>	DM (49°) 2074	32 45	49 50	....	Cl. III	8-9...12	....	Σ	From Cat. Nov.
5861	H 184	....	32 50:	10 41:	180 ±	25 ±	11 ... 12	1820+	H	
5862	Σ 1563 <i>rej.</i>	DM (52°) 1578	32 54	52 51	158.2	14 ±	9 ... 11-12	1830+	H	
5863	H 2580	....	33 10	6 51	171.0	20 ±	9-10...11-12	1830+	H	
5864	A 678	A. G. Camb. 5829	33 16	25 58	155.5	1.25	7.6...11.3	1904.30	A 3	(<i>Bul. L. O. No. 61</i>)
5865	Weisse 27	W ^s XI ^h . 621	33 17	21 59	....	....	7-8...	....	....
5866	Σ 1564	DM (27°) 2044	33 21	27 37	86.4	5.07	8.2... 9.0	1828.95	Σ 3	8.0 <i>yel'sh</i>
5867	Σ 1565	DM (19°) 2483	33 23	19 40	304.1	21.51	7.0... 8.0	1829.26	Σ 4	<i>Wh.; bluish wh.</i>
5868	A 560	A. G. Camb. 5832	33 32	28 51	355.4	4.46	8.8...13.5	1903.37	A 3	(<i>Bul. L. O. No. 50</i>)
5869	H 185	....	33 38:	10 25:	35 ±	25 ±	11 ... 12	1820+	H	
5870	β 1078	<i>Crateris</i> 79	33 47	-13 48	49.8	8.22	6.3...12.2	1889.30	β 3	
5871	H 186	....	34 6:	- 2 40:	295 ±	5 ±	11 ... 12	1820+	H	
5872	H 3333	DM (66°) 729	34 15	66 37	164.3	15 ±	9-10...10	1831+	H	
5873	H 507	....	34 20	30 42	35 ±	15 ±	9 ... 17	1820+	H	
5874	Σ 1566	DM (21°) 2342	34 24	21 42	349.3	2.71	8.3... 9.8	1829.94	Σ 3	8.3 <i>yel.</i>
5875	H 1193	....	34 31	5 34	100 ±	13 ±	9 ... 11	1828+	H	
5876	Hu 464	SD (17°) 3441	34 36	-17 41	59.1	0.84	9.0...11.0	1902.34	Hu 2	(<i>Bul. L. O. No. 21</i>)
5877	A 74	DM (71°) 583	34 39	71 37	317.5	1.24	9.1... 9.5	1900.12	A 3	(A. N. 3668)
5878	Σ 3073	W ^s XI ^h . 579	34 43	- 8 11	45.7	10.73	8.2...12.0	1831.76	Σ 2	
5879	H 187	....	34 57	10 31	45 ±	5 ±	11 ... 13	1820+	H	
5880	H 2581	....	35 23	23 3	90 ±	2 ±	11 ... 12	1830+	H	
5881	β 792	<i>Schj.</i> 4219	11 35 32	3 32	204.5	1.92	8.3...11.0	1881.34	β 3	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
5882	H 508	W ² XI ^h . 676	11 ^h 35 ^m 53 ^s	40° 20'	125° ±	8" ±	8 ... 9	1820+	H	
5883	H 1194	....	36 12	0 42	175 ±	12 ±	10 ... 10+	1828+	H	
5884	Σ 1567	DM (65°) 847	36 20	65 1	77.6	3.43	8.5...10.0	1832.16	Σ 3	
5885	Σ 1568	DM (1°) 2604	37 8	1 26	221.3	9.03	8.9... 9.1	1830.82	Σ 4	
5886	H 2582	....	37 18	73 51	236.8	8 ±	11-12=11-12	1830+	H	
5887	Espin 123	DM (44") 2120	37 24	44 51	203.8	7.4	9.1... 9.3	1902	Es 1	A and B } (M. N. LXIII, 172)
					275.5	42.9	... 9.2	1902	Es 1	A and C }
5888	β 917	L 22179	37 25	11 22	175.2	3.70	8.0...10.4	1880.31	β 4	
5889	β 793	DM (7°) 2474	37 26	7 14	114.2	1.33	9.6...10.3	1881.32	β 3	
5890	H 509	....	37 31	25 3	305 ±	6 ±	10 ... 10+	1820+	H	
5891	Hu 465	SD (17°) 3453	37 31	-17 26	112.7	0.44	8.6...11.8	1902.34	Hu 2	(Bul. L. O. No. 21)
5892	H 2583	W ² XI ^h . 633	37 32	14 11	234.2	25 ±	9 ... 9+	1830+	H	
5893	A 679	A. G. Berlin B 4345	37 32	24 41	93.4	4.95	7.0...15.0	1904.27	A 2	(Bul. L. O. No. 61)
5894	Σ 1569	DM (39°) 2465	37 58	39 40	324.3	3.57	8.3...10.2	1831.00	Σ 3	8.3 white
5895	OX 239 <i>rej.</i>	P XI ^h . 149	37 58	25 53	20.0	38.07	5.5... 9.8	1867.25	Δ 3	5.5 yel.
5896	H 3334	O. Arg. N. 12027	38 15	60 43	159.8	25 ±	8 ... 11	1831+	H	
5897	H 4469	DM (15°) 2372	38 18	15 16	166.1	30 ±	9 ... 9	1836.2	H	
5898	A 140	L 22202	38 22	-7 25	138.9	2.20	8.3...10.5	1901.29	A 3	
5899	Hu 232	SD (13°) 3433	38 23	-13 27	109.8	0.87	8.5... 8.8	1900.38	Hu 1	(A. J. 494)
5900	H 1195	....	38 35	13 10	327.0	5 ±	11 = 11	1828+	H	
5901	Σ 1570	O. Arg. N. 12044	39 11	46 16	48.8	10.68	8.3... 8.8	1831.41	Σ 3	White
5902	Cordoba	Cord. DM (25°) 8842	39 17	-25 34	276.2	4.80	8.6... 9.1	1904.11	β 1	
5903	H 1196	DM (4°) 2523	39 25	4 34	155 ±	20 ±	8-9...10	1828+	H	
5904	H 4470	Cord. DM (29°) 9318	39 30	-29 49	318.2	6 ±	9 ... 10	1834.3	H	
5905	H 2585	DM (44°) 2124	39 51	44 37	73.4	25 ±	9-10...11	1825+	H	
5906	Σ 1571	DM (9°) 2547	40 11	9 45	296.7	9.38	8.7...10.7	1829.32	Σ 3	8.7 wh.
5907	A 8	SD (4°) 3137	40 14	-4 41	153.1	1.88	8.2...13	1899.41	A 3	A and B } (A. N. 3635)
					11.5	19.11	...13.2	1899.41	A 2	A and C }
5908	Kr 40	A. G. Hels. 6900	40 17	60 30	273.3	2.88	9.2... 9.5	1891.29	β 1	
5909	H 188	....	40 18:	-0 33:	135 ±	6 ±	15 ... 16	1820+	H	"Very minute"
5910	H 4472	....	40 20	-28 32	39.5	12 ±	9½...12	1834.3	H	
5911	Σ 1572	DM (54°) 1464	40 38	53 57	288.2	10.47	8.5...10.0	1831.81	Σ 2	8.5 wh.
5912	β 602	L 22262	40 39	15 40	73.4	0.57	8.5...11.0	1878.15	β 1	
5913	A 9	....	41 2	-4 34	50.9	4.47	11.0...11.5	1899.36	A 2	(A. N. 3635)
5914	H 1197	....	41 4	3 6	135 ±	4 ±	11 = 11	1828+	H	
5915	Sh 130	W ² XI ^h . 785	41 16	20 42	25.0	76.86	8 ... 10	1823.27	Sh 1	
5916	See 135	Lac. 4890	41 16	-29 33	185 ±	0.2 ±	7 ... 7	1897.41	See 1	
5917	Hu 729	DM (50°) 1862	41 29	50 29	360.8	1.47	7.0...11.5	1902.96	Hu 1	
5918	H 1198	DM (46°) 1746	41 33	46 21	97 ±	8 ±	10 ... 12	1828+	H	
5919	Sh 131	4 <i>Virginis</i>	41 45	8 55	273.4	....	....	1823.19	Sh 1	A and B }
					323.3	....	....	1823.19	Sh 1	A and C }
5920	H 2586	DM (72°) 546	41 45	71 54	261.9	20 ±	9-10...10	1830+	H	
5921	Σ 7, App. II	93 <i>Leonis</i>	41 48	20 53	355.5	74.29	4.7... 8.4	1836.33	Σ 5	Yel.: wh.
5922	Σ 3074	SD (7°) 3288	41 52	-7 57	302.6	10.54	8.8... 9.0	1831.23	Σ 3	White
5923	H 189	....	42 6:	-2 26:	125 ±	20 ±	11 = 11	1820+	H	
5924	H VI. 115	L 22302	42 18	-9 38	77.8	....	....	1783.02	H 1	
5925	H 1199	DM (1°) 2615	42 22	1 26	55 ±	18 ±	10 ... 10	1828+	H	
5926	β 603	B. A. C. 3992	42 28	14 57	336.7	1.32	6.8...11.0	1879.25	β 4	
5927	Σ 1573	O. Arg. N. 12087	42 38	68 0	177.9	11.12	6.6... 7.6	1832.71	Σ 4	White
5928	Ku 40	DM (34°) 2259	42 39	34 22	184.6	3.09	9.4...10.0	1901.87	Ku 2	Kustner (3821)
5929	β 604	β <i>Leonis</i>	42 56	15 15	344.2	77.14	2 ... 13	1878.28	β 1	
5930	H 190	W ² XI ^h . 736	43 44	-4 11	270 ±	18 ±	9 ... 13	1820+	H	Yellow; blue
5931	H 2587	....	43 48	71 31	314.7	18 ±	9-10...10	1830+	H	
5932	H 510	....	44 6	38 22	280 ±	18 ±	9 ... 9	1820+	H	
5933	H 1200	DM (79°) 375	44 15	79 35	90 ±	9 ±	10 = 10	1828+	H	
5934	H 4477	SD (20°) 3517	11 44 20	-20 10	108.3	15 ±	8 ... 9	1835.2	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
5935	H 1201	B. A. C. 4005	11 ^h 44 ^m 48 ^s	12° 54'	189° 0	12" ±	6-7...13	1828+	H	
5936	Σ 1574	DM (44°) 2136	44 58	44 45	5.4	9.29	8.5...11.2	1831.38	Σ 2	
5937	H 1202	....	45 1	4 47	240 ±	3 ±	11 ...12	1828+	H	
5938	Hu 730	DM (51°) 1705	45 7	51 12	45.5	0.21	9.5... 9.5	1902.96	Hu 1	
5939	H 191	....	45 8:	12 39:	260 ±	....	10 ...12	1820+	H	
5940	H 2588	O. Arg. N. 12112	45 22	72 38	21.3	25 ±	9 ...13	1830+	H	
5941	H 842	DM (45°) 1968	45 37	45 29	95 ±	1½-2	10 ...10¼	1820+	H	
5942	Hu 731	DM (48°) 1978	45 43	48 45	118.8	0.34	8.8... 9.0	1902.96	Hu 1	
5943	H 3335	....	45 48	14 42	72.5	5 ±	10-11...10-11	1831+	H	
5944	Σ 1575	L 22376	45 48	9 30	209.8	30.60	7.0... 8.0	1832.58	Σ 3	Yel'ish; wh.
5945	H 843	SD (7°) 3305	45 51	- 7 44	265 ±	3-4	10-11...11	1820+	H	
5946	H 511	W ² XI ^b . 856	45 52	19 31	250 ±	30 ±	7-8...9-10	1820+	H	8-9 in W ²
5947	H 192	....	46 0:	- 2 19:	60 ±	15 ±	11 ...14	1820+	H	
5948	Σ 3075	W ² XI ^b . 775	46 15	8 13	185.3	17.69	8.8... 8.8	1831.24	Σ 3	
5949	Sh 132	P XI ^b . 170	46 35	16 6	11.1	37.11	7 ...10	1823.27	Sh 1	
5950	Σ 1576	W ² XI ^b . 884	46 40	31 30	242.7	5.21	8.2... 8.5	1829.93	Σ 3	Very wh.
5951	β 794	O. Arg. N. 12149	47 2	74 26	106.6	0.42	6.5... 7.8	1881.34	β 5	A and B
					71.8	5.71	...13.7	1890.37	β 2	AB and C
					78.6	26.73	...13.0	1890.37	β 2	AB and D
5952	Σ 1577	DM (21°) 2371	47 9	20 59	11.0	8.22	9.0...10.2	1828.29	Σ 2	
5953	H 4479	O. Arg. S. 11733	47 16	-23 55	90.8	5 ±	9 ...10	1836.2	H	
5954	Σ 1578	DM (4°) 2536	47 16	4 20	170.5	3.01	9.2...10.9	1831.70	Σ 5	
5955	OΣ 240	L 22409	47 23	43 35	317.8	8.62	7.5...10.3	1847.02	OΣ 3	
5956	H 1203	....	47 34	4 12	315 ±	3 ±	10 ...11	1828+	H	Probably DM (4°) 537
5957	A 75	DM (72°) 550	47 38	72 36	208.0	0.28	7.2... 8.0	1900.29	A 2	
5958	Hu 113	SD (13°) 3466	47 45	-13 43	267.2	2.77	9.3... 9.6	1888.90	Com 3	
5959	H 512	W ² XI ^b . 912	47 59	25 21	175 ±	4-5	8 ...	1820+	H	A and B
					320 ±	25 ±	....	1820+	H	A and C
5960	OΣ (App) 112	W ² XI ^b . 920	48 27	20 5	35.4	73.12	7.8... 8.1	1875.62	Δ 2	
5961	H 2590	DM (73°) 536	48 41	73 50	330.5	8 ±	10 ...12	1830+	H	
5962	Σ 1579	65 Ursae Majoris	48 51	47 9	36.4	3.71	6.0... 8.3	1832.43	Σ 5	A and B } AB very wh.; blue
					113.8	62.93	... 6.5	1833.45	Σ 5	A and C
5963	H 193	....	49 13:	11 41:	20 ±	8 ±	11 ...13	1820+	H	
5964	H 2591	L 22459	49 19	6 29	173.4	28 ±	8-9...16	1830+	H	
5965	Σ 1580	DM (4°) 2546	49 21	4 13	261.0	8.77	8.0... 9.0	1828.31	Σ 2	White
5966	Ku 41	DM (17°) 2413	49 23	17 34	66.9	5.02	9.9...10.1	1901.83	Ku 2	Kustner (3821)
5967	H VI. 13	95 Leonis	49 30	16 19	nf	90 ±	....	1782.45	H 1	
5968	Σ 1582	W ² XI ^b . 941	49 51	22 39	76.6	12.01	7.7... 9.2	1827.75	Σ 2	7.7 white
5969	Σ 1581	DM (46°) 1759	49 53	46 13	170.6	2.23	8.3... 9.5	1832.72	Σ 3	White
5970	OΣ 241	L 22485	50 6	36 7	119.1	1.36	6.5... 8.4	1849.32	OΣ 5	Yel.: ash
5971	Σ 1585	DM (41°) 2250	50 29	41 42	104.6	5.53	8.0...11.0	1832.43	Σ 3	8.0 yel'ish wh.
5972	Σ 1584	W ² XI ^b . 839	50 30	- 3 56	186.9	12.79	8.7...10.7	1831.97	Σ 3	
5973	Σ 3076	SD (4°) 3168	50 30	- 4 33	51.3	5.37	9.3... 9.8	1831.60	Σ 3	
5974	β 918	L 22496	50 36	32 52	231.3	7.45	6.8...13.0	1880.37	β 2	
5975	Σ 1586	DM (41°) 2251	50 42	41 1	247.4	1.81	8.3...11.0	1832.83	Σ 3	8.3 wh.
5976	Hu 732	DM (49°) 2097	50 52	49 48	....	1 ±	9.4...	1902.	Hu	
5977	H 4481	L 22513	51 12	-21 52	198.3	3 ±	8 = 8	1836.2	H	
5978	A 561	DM (28°) 2063	51 41	28 4	8.2	1.90	9.0...11.7	1903.37	A 3	(Bul. L. O. No. 50)
5979	Ho 379	Cord. G. C. 16333	51 49	-23 50	246.8	14.96	8.1...12	1891.37	Ho 3	
5980	Hu 733	DM (48°) 1988	51 50	48 43	....	1.5 ±	8.8...	1902.	Hu	
5981	H 1204	....	52 5	4 14	125 ±	15 ±	9-10 = 9-10	1828+	H	"A star 6 m. s"
5982	Σ 3077 ref.	DM (9°) 2568	52 59	9 49	55 ±	3½ ±	10 ...11	1823+	H	
5983	β 919	W ² XI ^b . 1013	53 7	33 50	16.2	4.22	6.3...12.3	1880.37	β 3	
5984	H 195	....	53 18:	- 2 44:	70 ±	10 ±	14 ...	1820+	H	
5985	Ho 534	W ² XI ^b . 1017	53 18	21 32	137.2	9.76	8.4...11.4	1897.40	Ho 4	
5986	Σ 1583 = OΣ 238	Redhill 1778	11 53 22	87 40	282.8	11.07	7.5... 8.5	1833.18	Σ 3	Very wh.; bluish

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
5987	H 196	....	11 ^h 53 ^m 30 ^s	— 0° 50'	275° ±	15" ±	11 ... 11+	1820+	H	
5988	OZ 243	Rad'. 2777	53 38	54 4	10.9	0.72	7.8... 8.8	1846.04	OZ 3	(See p. 1074)
5989	Σ 1587 <i>rej.</i>	DM (52°) 1600	53 41	52 16	....	Cl. III	8-9... 10	....	Z	From <i>Cat. Nov.</i>
5990	β 795	Rad'. 2778	53 51	71 20	327.0	13.82	7.7... 13	1881.30	β 3	A and B
					116.2	5.78	... 12.5	1881.30	β 3	C and D } AC = OZ 243
					149.6	33.72	7.1... 7.3	1868.11	Δ 3	A and C
5991	Hu 734	SD (12°) 3543	53 57	— 12 32	191.0	3.72	9.3... 10.0	1900.38	Hu 1	
5992	H 513	W [*] XI ^b . 1033	53 58	26 43	255 ±	15 ±	8 ... 9	1820+	H	
5993	OZ (App) 114	W [*] XI ^b . 1035	54 0	37 24	81.0	86.79	7.5... 8.0	1875.70	Δ 2	
5994	H 2592	....	54 18	59 21	11.3	2 ±	11 = 11	1830+	H	
5995	H 4489	Cord. DM (23°) 10320	54 20	— 23 48	147.8	8 ±	9 = 9	1834+	H	
5996	Σ 1589	DM (44°) 2146	54 26	44 17	155.8	2.27	9.0... 9.5	1832.76	Σ 3	
5997	H 2593	....	54 29	40 34	326.1	15 ±	10 ... 13	1830+	H	
5998	β 1079	L 22586	54 34	— 21 7	147.9	11.69	6.2... 13.3	1889.30	β 3	
5999	A 141	L 22589	54 40	— 9 17	9.3	4.70	8.5... 13.8	1901.28	A 2	
6000	Hu 132	SD (11°) 3161	54 41	— 11 29	61.8	1.44	8.0... 9.0	1900.25	Hu 3	(A. J. 485)
6001	H 197	....	54 43	12 16	285 ±	15 ±	12 = 12	1820+	H	"Two stars, <i>sf</i> and <i>sf'</i> "
6002	β 457	O. Arg. S. 11836	55 15	— 20 52	84.2	0.89	8 ... 9	1877.37	Hl 2	
6003	Σ 1591	W [*] XI ^b . 928	55 19	0 17	353.8	53.77	8.0... 8.0	1831.23	Z 2	<i>Yellowish: wh.</i>
6004	Σ 1590	DM (71°) 599	55 28	71 31	235.9	5.07	7.0... 10.0	1832.15	Z 3	<i>7.0 yel.</i>
6005	OZ (App) 116	DM (0°) 2880	55 48	0 46	181.9	74.95	7.5... 8.0	1875.89	Δ 3	
6006	Σ 1588	DM (73°) 543	56 6	73 2	60.7	16.49	8.5... 8.7	1831.59	Z 2	<i>White</i>
6007	Ho 535	DM (22°) 2434	56 21	22 26	146.4	2.01	8 ... 12	1897.40	Ho 3	(A. N. 3557)
6008	H 1205	....	56 32	5 4	40 ±	10 ±	10 ... 11	1828+	H	
6009	H 1206	....	56 34	5 1	40 ±	10 ±	11 ... 12	1828+	H	"In field with the last"
6010	H 514	....	56 40	29 21	87 ±	12-15	10 ... 11	1820+	H	
6011	H 515	DM (27°) 2087	56 48	27 40	....	20 ±	9-10... 13	1820+	H	8.8 m. in DM.
6012	β 1323	DM (42°) 2267	57 21	42 4	318.2	1.57	... 13.3	1903.21	β 3	A and B
					165.0	16.95	8.7... 10.5	1831.93	Z 2	A and C } AC = Σ 1594
					76.0	25.02	... 13	1903.20	β 3	A and D
6013	Σ 1593	W [*] XI ^b . 959	57 23	— 1 47	18.2	1.43	8.3... 8.3	1829.26	Z 3	
6014	H 2594	....	57 35	6 34	5.4	10 ±	10 ... 12	1830+	H	
6015	A 681	A. G. Camb. 5971	57 36	25 46	131.4	0.39	8.9... 9.3	1904.27	A 1	
6016	A 682	A. G. Bertin B 4431	58 4	24 47	333.3	0.39	7.5... 9.0	1904.27	A 1	
6017	β 458	L 22677	58 8	— 20 22	232.5	30.35	8.0... 10.5	1879.34	β 1	
6018	Σ 1596	2 Comae	58 8	22 8	240.6	3.73	6.0... 7.5	1829.54	Z 4	<i>White: blue</i>
6019	Σ 1595	DM (8°) 2566	58 10	8 4	329.5	27.46	8.5... 9.2	1830.58	Z 3	<i>White</i>
6020	Σ 1597 <i>rej.</i>	DM (9°) 2579	58 45	9 50	142.8	30.60	8.9... 10	1893.27	Lp	
6021	Σ 1598 <i>rej.</i>	L 22694	58 57	4 3	....	Cl. IV	8-9... 11	....	....
6022	H 1208	....	59 1	— 8 27	280 ±	5 ±	12 ... 12	1828+	H	
6023	H 2595	W [*] XI ^b . 1147	59 16	39 20	315 ±	15 ±	8 ... 18	1830+	H	
6024	H 198	W [*] XI ^b . 994	59 26	— 5 11	270 ±	80 ±	8 ... 10	1820+	H	
6025	Σ 1600	DM (52°) 1608	59 27	52 36	93.2	7.63	7.0... 8.0	1832.35	Z 4	<i>White</i>
6026	OZ 244	Rad'. 2798	59 29	53 33	319.0	3.31	7.2... 9.2	1850.13	OZ 4	
6027	Σ 1599	O. Arg. N. 12316	59 30	69 27	167.2	10.21	7.0... 10.0	1831.55	Z 3	<i>7.0 yel.</i>
6028	Σ 3123	O. Arg. N. 12330	12 0 0	69 22	289.7	0.3 ±	7.0... 7.0	1832.20	Z 4	A and B
					312.0	2.88	....	1895.10	Bar 3	AB and C
6029	H 4496	SD (18°) 3321	0 0	— 18 14	30.0	10 ±	8 ... 9	1835.2	H	
6030	Σ 1601	DM (39°) 2493	0 2	39 30	319.3	2.45	8.5... 9.7	1832.07	Z 4	
6031	A 76	DM (71°) 603	0 11	71 3	343.7	1.36	10.5... 10.7	1900.26	A 3	B and C } (A. N. 3666)
					42.6	21.37	9.5...	1900.20	A 1	A and BC
6032	H 1209	SD (16°) 3390	0 28	— 16 21	260 ±	9 ±	10-11... 11	1828+	H	"Next star"
6033	H 1210	W [*] XI ^b . 1010	0 45	6 29	100 ±	7 ±	9 ... 11-12	1828+	H	
6034	Ho 255	W [*] XI ^b . 1174	0 48	21 10	133.4	2.45	8.2... 12.3	1887.29	Ho 2	
6035	Σ 1602	O. Arg. N. 12348	1 7	69 45	179.8	13.00	7.5... 9.0	1831.56	Z 2	<i>7.5 white</i>
6036	H 2596	W [*] XI ^b . 1187	12 1 15	43 46	225 ±	23 ±	8 ... 11	1830+	H	

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
6037	H 199	W ¹ XII ^h . 1020	12 ^h 1 ^m 28 ^s	13° 19'	70° ±	10' ±	9 ... 14-1	1820+	H	
6038	H 2597	....	1 40	7 28	162.4	18 ±	10 ... 12	1830+	H	
6039	A. Clark 6	....	2 :	-19 42	....	....	6 ...	....	....
6040	Σ 1603	DM (56°) 1568	2 8	56 8	80.6	22.42	6.9... 7.3	1832.18	Z 5	White
6041	β 412	L 22772	2 10	-17 55	163.0	2.16	8.0... 8.5	1877.86	A 2	
6042	H 2598	DM (61°) 1281	2 14	61 9	28.8	30 ±	9-10... 12	1830+	H	
6043	Ku 42	DM (14°) 2476	2 18	14 44	254.2	8.84	9.7... 9.9	1901.32	Ku 2	Kustner (38st)
6044	H 1211	....	2 42	-2 36	160 ±	7 ±	10 ... 13	1828+	H	
6045	Σ 3078	L 22794	3 10	11 58	305.9	9.41	8.2... 11.0	1830.30	Z 4	
6046	Σ 1604	Virginis 59	3 15	-11 11	93.3	11.98	6.5... 9.0	1831.95	Z 3	A and B } A and C } AC wh.
					96.9	58.00	... 7.8	1831.95	Z 3	
6047	H 1212	SD (16°) 3399	3 24	-16 54	100 ±	18 ±	9-10... 11	1828+	H	
6048	H 2599	....	3 40	73 30	114.0	8 ±	10 ... 13	1830+	H	
6049	H 1213	SD (5°) 3439	4 11	-5 47	102 ±	25 ±	9=9	1828+	H	
6050	Σ 1605	W ¹ XII ^h . 28	4 19	-1 34	278.4	23.49	8.0... 8.5	1830.64	Z 3	White
6051	Espin 73	DM (55°) 1515	4 21	55 35	20.9	31.25	8.2...	1901.68	Es 3	A and B } B and C }
					305.8	3.64	10.5... 10.7	1901.68	Es 3	
6052	Σ 3079	SD (4°) 3246	4 32	-4 5	88.4	14.61	8.7... 10.7	1831.96	Z 3	
6053	Σ 1606	DM (40°) 2508	4 44	40 34	348.6	1.39	6.3... 7.0	1831.48	Z 3	White
6054	A 77	SD (5°) 3442	4 59	-5 53	59.7	0.50	8.1... 10.3	1900.34	A 3	(A. N. 3668)
6055	H 3336	DM (68°) 676	5 1	68 4	264.8	15 ±	9 ... 10	1831+	H	
6056	A 142	L 22859	5 9	-7 13	23.4	1.51	8.6... 10.5	1901.28	A 3	
6057	H 2600	....	5 9	33 56	345.8	8 ±	11=11	1830+	H	
6058	S 634	L 22863	5 14	-16 7	277.0	7.97	8 ... 10	1824.29	S 2	"Small star blue"
6059	H 844	....	5 19	33 7	320 ±	10 ±	9 ... 12	1820+	H	last
6060	Σ 3080	W ¹ XII ^h . 50	5 24	-13 2	200.3	4.56	8.3... 10.3	1831.62	Z 3	
6061	H 845	SD (6°) 3521	5 26	-6 56	260 ±	4-5	10 ... 12	1820+	H	
6062	Σ 1610 rej.	L 22870	5 26	39 26	....	Cl. IV	8 ... 10	....	....
6063	Σ 1607	DM (36°) 2246	5 30	36 45	350.3	33.07	7.8... 8.3	1830.99	Z 3	A and B } B and C } AB wh.
					320 ±	12 ±	...(15)	1820+	H	
6064	Σ 1608	O. Arg. N. 12431	5 31	54 6	223.9	10.59	7.5... 7.7	1832.04	Z 3	YrPsh wh.
6065	H 4505	O. Arg. S. 11977	5 31	-29 56	267.3	12 ±	8½... 13	1835.2	H	
6066	H 4506	Cord. DM (23°) 10415	5 32	-23 18	15.8	4 ±	8 ... 13	1836.2	H	
6067	Sh 136	B. A. C. 4106	5 36	82 23	76.7	63.44	6 ... 8½	1823.35	Sh 1	
6068	Σ 1609	DM (51°) 1734	5 41	51 30	206.3	10.81	7.7... 9.5	1831.90	Z 2	7.7 very wh.
6069	H 2601	....	5 46	21 4	64.1	12 ±	10 ... 11	1830+	H	
6070	H.C. Wilson 10	....	6 :	-22 50	37.8	11.17	9.5... 9.8	1882.28	W 1	(Clm ^m)
6071	Hu 133	SD (21°) 3491	6 2	-21 51	329.5	1.54	8.7... 9.0	1900.34	Hu 3	(A. J. 485)
6072	Σ 1611	DM (69°) 649	6 6	69 16	7.7	1.41	8.3... 10.2	1832.19	Z 3	
6073	H 2600	....	6 20	46 58	228.3	25 ±	9-10... 10	1830+	H	
6074	OΞ (App) 118	....	6 24:	82 35	....	Cl. VI	6.7... 8	....	....
6075	Σ 1612	DM (11°) 2435	6 28	11 26	8.1	5.70	9.2... 9.7	1829.29	Z 3	
6076	Σ 1613	DM (36°) 2248	6 30	36 26	18.5	1.64	8.5... 8.8	1832.02	Z 3	White
6077	Σ 1614	DM (67°) 735	7 17	67 44	191.8	18.70	8.0... 10.7	1831.50	Z 2	8.0 white
6078	Hu 735	Cord. DM (24°) 10222	7 33	-24 15	71.5	0.42	9.2... 9.2	1900.30	Hu 1	
6079	Hu 589	DM (22°) 2452	7 42	22 23	152.9	1.12	9.0... 11.5	1902.44	Hu 3	(Bul. L. O. No. 97)
6080	Hu 570	DM (22°) 2453	7 42	21 58	104.0	2.54	8.8... 13.0	1902.44	Hu 3	(Bul. L. O. No. 97)
6081	H 2603	L 22932	7 57	12 49	14.4	15 ±	7 ... 14	1830+	H	
6082	Σ 1615	DM (33°) 2205	8 4	33 27	88.3	26.93	6.0... 8.2	1831.90	Z 4	YrPsh: ash
6083	H 203	W ¹ XII ^h . 94	8 6	-5 3	335 ±	25 ±	6 ... 19	1820+	H	A and B }
					205 ±	60 ±	... 14	1820+	H	A and C }
6084	Σ 1616	Virginis 75	8 19	9 27	296.5	23.34	7.5... 9.7	1828.21	Z 2	7.5 yrPsh wh.
6085	H 2604	DM (55°) 1520	8 22	55 47	335 ±	15 ±	9 ... 10	1830+	H	
6086	Innes 81	Cord. DM (29°) 9631	8 44	-29 5	344.0	2.66	9.4... 10.4	1901.95	I 2	
6087	H 204	W ¹ XII ^h . 103	8 51	-0 40	55 ±	30 ±	8-9... 11	1820+	H	White: deep blue
6088	Σ 1618	DM (10°) 2394	12 8 50	10 40	244.6	25.84	8.5... 8.5	1829.02	Z 4	White

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
6089	Σ 1617 <i>rej.</i>	DM (8°) 2580	12 ^h 8 ^m 56 ^s	8° 12'	....	CL IV	8.5...	....	Z	
6090	Σ 1619	W ⁺ XII ^h . 105	8 59	- 6 35	287° 6	7' 79	7.5... 7.8	1829.74	Z 4	White
6091	H 2605	....	9 18	55 41	350±	20±	11 ... 11	1830+	H	
6092	H 3337	....	9 27	15 34	....	....	....	1831+	H	
6093	H 1214	DM (1°) 2673	9 34	1 31	195±	12±	10 ... 14	1828+	H	A and B } (See p. 1074)
					330±	6±	... 15	1828+	H	A and C }
6094	β 920	Corvi 17	9 34	-22 41	232.4	0.77	6.5... 7.0	1879.37	β 1	
6095	Σ 1620	DM (9°) 2611	9 41	9 42	79.9	1.94	8.5... 10.3	1830.33	Z 3	
6096	A 143	SD (7°) 3377	9 44	- 7 19	148.8	1.00	9.2... 10.3	1901.27	A 3	A and B }
					113.4	13.02	... 11.5	1901.26	A 2	A and C }
6097	Σ 1621	DM (6°) 2573	9 54	6 19	124.0	3.44	8.8... 10.3	1830.32	Z 4	
6098	A 144	L 22983	9 55	- 6 48	111.3	0.83	8.9... 10.0	1901.28	A 3	
6099	Hu 736	DM (48°) 2010	10 2	48 48	....	0.3±	8.5...	....	Hu	
6100	H 4509	....	10 4	-26 26	124±	25±	9 ... 12	1836.2	H	
6101	Σ 1623 <i>rej.</i>	DM (5°) 2605	10 4	5 23	....	CL IV	9 ... 10	....	Z	
6102	Σ 1622	2 Canum Ven.	10 7	41 20	259.6	11.42	5.7... 8.0	1832.16	Z 6	Very gold: blue
6103	Espin 124	DM (42°) 2287	10 12	42 34	135±	5±	9.0... 12.5	1902	Es	(M. N. LXIII, 170)
6104	H 1215	DM (42°) 2288	10 38	42 30	35±	25±	9-10=9-10	1828+	H	
6105	Σ 1624	DM (40°) 2516	10 42	40 16	150.0	6.15	6.8... 9.7	1831.99	Z 3	6.8 wh.
6106	A. G. 176	A. G. Liden 4638	10 43	30 44	177.7	2.48	9.0... 9.2	1903.42	A 4	
6107	Σ 1625	Bed III 1825	11 0	80 48	218.8	14.28	6.5... 7.0	1832.24	Z 3	Very wh.
6108	Σ 1626	O. Arg. N. 12522	11 5	70 49	8.2	2.24	8.3... 8.5	1831.54	Z 3	White
6109	β 796	L 23014	11 19	7 16	270.9	0.31	8.0... 8.8	1881.34	β 3	
6110	H 2606	DM (42°) 2289	11 26	41 57	172.8	3½±	9-10... 12	1830+	H	(See p. 1074)
6111	OZ 245	W ⁺ XII ^h . 199	11 28	29 36	275.1	8.33	6.1... 10.2	1848.06	OZ 4	6.2 yel.
6112	β 921	Corvi 22	11 42	-23 21	218.5	3.10	7.5... 11.6	1880.55	β 5	
6113	Σ 1627	P XII ^h 32, 33	12 0	- 3 17	196.3	20.06	5.9... 6.4	1830.05	Z 4	Very wh.
6114	OZ 246 <i>rej.</i>	Bed ⁺ . 2828	12 23	69 28	....	obl?	7-8...	....	OZ	
6115	Σ 1628	DM (12°) 2446	12 36	12 28	239.3	9.28	8.5 ... 8.7	1828.82	Z 2	White
6116	H 1216	....	12 36	11 58	245.0	5±	8-9... 9	1828+	H	
6117	Espin 74	DM (41°) 2588	12 42	41 44	120.6	9.3	8.0... 12	1901	Es	(A. N. 3784)
6118	H 206	....	12 54:	- 0 58:	300±	7±	12 ... 13	1820+	H	(See p. 1074)
6119	H 4514	Ord. DM (26°) 9085	12 54	-26 46	116.0	12±	10=10	1836.2	H	
6120	Σ 1629 <i>rej.</i>	DM (3°) 2628	13 0	3 37	....	CL IV	8-9... 11	....	Z	
6121	Σ 1630	DM (57°) 1366	13 3	57 2	166.8	2.32	8.3... 9.0	1832.49	Z 3	Very wh.
6122	H 2607	DM (20°) 2704	13 8	20 4	242.0	9±	10 ... 11	1830+	H	
6123	A 145	L 23073	13 10	- 8 15	164.8	3.22	7.0... 14.7	1901.27	A 3	
6124	H 2609	....	13 18	5 55	....	....	....	1830+	H	
6125	H 2608	....	13 47	56 3	268.0	3±	11-12=11-12	1830+	H	
6126	H 847	....	13 54	11 11	125±	3±	11 ... 12	1820+	H	"A star 10 m. sp."
6127	β 605	B. A. C. 4149	13 58	-21 30	144.2	1.25	6.0... 8.0	1878.22	β 2	
6128	Σ 1631 <i>rej.</i>	W ⁺ XII ^h . 196	13 58	-13 27	268.5	20±	8-9... 11-12	1830+	H	From H (V)
6129	β 27	L 23106	13 59	14 31	106.5	3.39	7.1... 11.0	1875.53	β 4	
6130	Σ 1632	Canum Ven. 20	14 15	38 34	193.4	10.09	6.5... 9.7	1831.38	Z 2	6.5 yel.
6131	β 1245	† Corvi	14 21	-21 33	42.3	4.81	5.5... 13.8	1891.31	β 3	
6132	H 207	....	14 35:	15 8:	100±	20±	10=10	1820+	H	
6133	Ho 52	11 Comae	14 39	18 27	43.5	9.08	5 ... 13	1883.66	Ho 6	
6134	Σ 1633	Comae 55	14 39	27 44	245.1	8.74	7.1... 7.2	1831.40	Z 4	Very wh.
6135	Σ 1634	W ⁺ XII ^h . 281	14 40	23 35	148.8	5.24	8.1... 9.9	1830.82	Z 4	8.1 yel'wh wh.
6136	Ho 536	DM (35°) 2332	14 42	35 40	95.5	3.28	8.5... 9.7	1896.90	Ho 3	(A. N. 3757)
6137	H 517	W ⁺ XII ^h . 284	14 42	26 26	265±	12±	8 ... 11	1820+	H	
6138	Σ 1635	L 23131	14 57	-10 48	173.5	13.39	7.7... 8.7	1831.27	Z 3	White
6139	Howe 26	O. Arg. S. 12105	15 19	-23 33	329.8	5.53	8.5... 8.5	1877.37	Cin 1	
6140	H 2610	DM (51°) 1746	15 21	51 39	144.7	18±	9-10... 9-10	1830+	H	"Neat"
6141	Hu 737	DM (4°) 2607	15 24	4 13	47.2	2.70	9.0... 9.3	1900.20	Hu 1	
6142	Hu 12	DM (-1°) 2656	12 15 43	- 1 57	93.3	1.13	8.3... 8.8	1881.33	β 3	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
6143	Espin 75	DM (46°) 2054	12 ^h 15 ^m 54 ^s	46° 29'	217° 6	4.3	9.0... 9.3	1901	Es	(A. N. 3784)
6144	H 518	....	15 56	29 49	....	....	....	1820+	H	"Neb. II 378 5' n"
6145	OZ 247 ref.	W ¹ XII ^b . 237	16 11	3 58	....	obl.?	7 ...	....	OZ	A and B } A and C }
					334.6	12.62	...13.5	1899.50	Hu 3	
6146	Wn 4	Groom. 1878	16 26	58 45	88.0	49.16	9.0... 9.3	1863.77	Wn 2	
6147	Z 1636	17 Virginis	16 26	5 58	336.7	19.32	6.2... 9.0	1829.26	Z 3	6.5 greenish wh.
6148	Sh 143	12 Comae	16 28	26 31	168.8	65.95	5 ... 8	1821.38	Sh 1	White: red
6149	H 4517	SD (19°) 3476	17 12	-19 36	186.3	15±	8 ... 9	1835.2	H	
6150	H 208	DM (15°) 2458	17 26	15 36	160±	15±	10 ... 11	1820+	H	
6151	Ho 53	L 23196	17 29	14 35	295.3	1.89	8.0... 11.7	1882.95	Ho 2	
6152	See 150	Lac. 5131	17 31	-29 40	102.5	17.86	6 ... 13.5	1897.37	See 1	
6153	Z 1637 ref.	DM (24°) 2451	17 33	24 6	144.9	120.65	8.6... 9.5	1804.11	β 1	
6154	H 209	SD (2°) 3511	17 46	-2 23	140±	25±	9 ... 9+	1820+	H	
6155	OZ 249	Red ¹ . 2853	18 2	54 49	315.0	0.53	7.2... 8.0	1853.19	OZ 5	A and B }
					149.7	13.23	... 11.2	1855.86	OZ 2	AB and C }
6156	OZ 248 ref.	L 23206	18 4	6 38	....	obl.	7 ...	....	OZ	
6157	Z 1638 ref.	DM (43°) 2219	18 18	43 43	....	Cl. III	8-9... 9-10	....	....
6158	Z 1639	Comae 68	18 25	26 15	202.8	1.18	6.7... 7.9	1836.49	Z 2	Wh.: ashy wh.
6159	OZ 250	L 23220	18 30	43 45	330.7	0.44	7.7... 8.0	1845.98	OZ 3	
6160	A. G. 177	A. G. Ab. 4479	18 35	3 5	216.6	6.35	9.0... 10.0	1902.36	M 3	
6161	Z 1641	DM (38°) 2330	18 38	38 24	50.4	6.14	10.0... 10.5	1831.38	Z 2	
6162	Z 1640 ref.	....	18 44	64 27	229.0	20±	9 ... 10	1831+	H	
6163	See 152	O. Arg. B. 12149	19 6	-30 28	87.1	2.35	7.7... 12	1897.38	See 1	
6164	O. Stone 23	O. Arg. B. 12151	19 22	-27 45	329.7	13.83	8.0... 9.5	1879.71	Cin 2	
6165	β 608	Corvi 35	19 48	-14 17	97.9	1.38	7.0... 9.0	1878.30	β 2	
6166	Z 1642	DM (45°) 2033	19 53	45 24	183.2	2.80	8.0... 8.8	1832.77	Z 3	White
6167	β 922	L 23254	19 58	-3 49	165.3	0.74	8.1... 8.9	1891.27	β 3	
6168	Hu 13	DM (-1°) 2666	20 17	-1 13	153.2	1.40	8.1... 8.4	1881.33	β 3	
6169	H 2611	....	20 23	-12 56	219.5	8±	12 ... 13	1830+	H	
6170	A 78	SD (4°) 3281	20 37	-4 56	86.0	0.29	8.0... 8.5	1900.36	A 3	
6171	A. G. Clark 4	L 23271	20 37	0 29	233.6	0.85	7.5... 11.0	1876.43	H1 3	
6172	A 79	W ¹ XII ^b . 310	20 50	-2 52	90.4	0.38	8.3... 8.8	1900.37	A 4	A and B }
					346.2	15.62	... 14.5	1900.39	A 2	AB and C }
6173	S 637	O. Arg. B. 12168	20 59	-19 18	203.1	61.63	10 ... 12	1825.35	S 3	
6174	Z 1643	DM (27°) 2135	21 13	27 42	71.2	1.94	8.4... 8.7	1830.36	Z 5	White
6175	Z 1644	DM (8°) 2603	21 18	8 3	248.6	21.82	8.7... 9.2	1827.55	Z 3	White
6176	Hu 466	SD (17°) 3627	21 21	-17 57	34.8	2.85	9.5... 10.0	1902.31	Hu 3	(Bul. L. O. No. 21)
6177	β 923	Virginis 168	22 12	5 4	59.6	2.16	6.8... 13.5	1879.33	β 3	
6178	Z 1646	DM (37°) 2279	22 13	37 21	254.2	5.29	8.5... 11.0	1832.32	Z 4	8.5 white
6179	Z 1645	L 23328	22 16	45 28	161.5	10.44	7.0... 7.5	1832.38	Z 3	Yel'ish wh.
6180	β 1080	17 Comae	22 55	26 35	156.8	1.79	... 13.7	1889.11	β 3	B and C } AB wh.: A and B } bluish wh.
					250.7	145.35	4.8... 6.0	1836.43	Z 5	
6181	OZ 251	L 23349	23 9	32 3	125.0	0.42	7.4... 9.1	1844.00	OZ 3	
6182	β 1324	DM (30°) 2281	23 32	30 11	223.3	2.50	9.3... 9.9	1904.19	β 3	
6183	Sh 145	8 Corvi	23 40	-15 51	213.6	24.00	4½... 9	1823.27	Sh 1	
6184	H 3339	....	23 43	29 17	....	....	....	1831+	H	"No description"
6185	β 28	B. A. C. 4213	23 53	-12 44	353.7	1.81	6.4... 10.2	1875.29	Δ 5	
6186	Z 1648	DM (4°) 2622	24 27	4 10	38.4	7.79	7.8... 9.8	1829.58	Z 3	7.8 yel.
6187	Z 1647	Virginis 191	24 28	10 23	202.4	1.19	7.5... 7.8	1830.07	Z 7	White (See p. 1074)
6188	H 519	DM (36°) 2275	24 32	36 48	360±	15±	10 = 10	1820+	H	H (V) 1° 5: 22' ±: 9m9
6189	H 2612	DM (76°) 450	24 34	75 55	300±	10±	9 ... 12	1830+	H	
6190	H 2613	DM (74°) 498	24 50	74 4	314.1	20±	10-11... 11	1830+	H	
6191	A. G. 178	A. G. Ab. 4504	24 55	2 46	287.2	1.32	8.5... 8.8	1901.36	β 2	
6192	Sh 146	DM (2°) 2552	25 7	1 59	289.6	49.74	7 ... 8½	1823.42	Sh 2	
6193	Z 1649	W ¹ XII ^b . 400	25 24	-10 25	194.1	15.17	7.2... 8.0	1830.60	Z 3	White
6194	Hu 467	SD (17°) 3641	25 28	-17 9	123.9	0.80	9.2... 10.8	1902.31	Hu 3	(Bul. L. O. No. 21)
6195	Z 1650	DM (25°) 2518	12 25 33	25 17	178.3	17.04	8.5... 10.0	1830.38	Z 2	

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6196	Σ 1651	Comae 88	12 ^h 25 ^m 45 ^s	27° 41'	218° 4	6.60	8.1... 9.9	1830.80	Z 4	8.1 yel'ish wh.
6197	H 2614	25 58	41 14	224.3	18±	10 ... 11	1830+	H	
6198	H 211	....	26 12:	- 1 14:	275±	3±	12 ... 13	1820+	H	
6199	Hu 571	DM (20°) 2730	26 16	20 40	81.1	0.26	8.8... 8.8	1902.51	Hu 2	(Bul. L. O. No. 27)
6200	Σ 1652	DM (21°) 2429	26 30	21 46	181.9	6.02	9.0... 9.0	1830.04	Z 3	
6201	A. G. 179	A. G. Bertha 4544	26 45	23 40	136.4	0.91	9.0... 10.0	1902.49	Hu 1	
6202	H 1217	W ¹ XII ^b . 421	26 53	- 1 38	310±	25±	8 ... 15	1828+	H	8.6 m. in DM (See p. 1074)
6203	H 4527	....	26 54	-23 10	94.3	2±	11 = 11	1834+	H	
6204	Σ 1654	O. Arg. N. 12741	27 13	75 28	26.0	3.74	7.3... 8.8	1832.12	Z 3	Yel.: blue
6205	H 212	DM (10°) 2438	27 24	10 51	265±	30±	9 ... 9	1820+	H	
6206	Σ 1653	W ¹ XII ^b . 549	27 27	32 42	343.2	7.80	8.3... 8.5	1831.96	Z 3	White
6207	Σ 1656	DM (39°) 2535	27 44	39 17	204.7	26.78	8.5... 8.5	1831.37	Z 3	White
6208	Lv 5	SD (17°) 3651	27 53	-17 32	32.6	1.40	7.1... 9.7	1888.19	Lv 2	
6209	β 797	DM (6°) 2630	28 27	6 38	171.2	0.73	8.5... 8.6	1881.31	β 3	A and B } AB and C }
					3.2	77.29	... 9.0	1881.31	β 3	
6210	H 537	DM (34°) 2331	28 31	34 50	181.2	0.77	8 ... 10	1896.34	H 3	
6211	Σ 1658	DM (8°) 2621	29 0	8 7	341.5	2.02	8.0... 9.8	1830.64	Z 3	8.0 yel'ish
6212	Σ 1657	24 Comae	29 6	19 2	271.9	20.42	4.7... 6.2	1830.03	Z 6	Yel.: very blue
6213	Σ 1660	DM (59°) 1450	29 27	58 54	118.6	19.54	8.8... 10.0	1831.53	Z 3	
6214	H 1218	L 23536	29 28	-16 10	266.	12±	7 ... 15	1828+	H	White: red
6215	Σ 1659	SD (11°) 3330	29 32	-11 23	351.9	27.08	8.0... 8.1	1832.28	Z 4	A and B } A and C } B and C } AB very white
					68.8	30.92	... 11.0	1832.28	Z 4	
					115.6	36.22	....	1832.28	Z 4	
6216	Σ 1661	W ¹ XII ^b . 476	29 57	12 4	226.0	2.56	8.5... 8.5	1828.67	Z 3	White
6217	H 248	....	30 2	- 7 39	310±	8±	11 ... 12	1820+	H	
6218	Σ 1662	DM (57°) 1381	30 16	57 14	229.5	20.19	7.7... 10.0	1831.53	Z 3	7.7 yel.
6219	Hu 134	SD (11°) 3337	30 37	-11 43	55.7	2.57	8.5... 10.5	1900.39	Hu 3	(A. J. 485)
6220	A 562	A. G. Bertha 4562	30 45	24 18	5.0	3.20	8.6... 13.5	1903.42	A 3	(Bul. L. O. No. 30)
6221	A. G. 180	DM (21°) 2434	30 49	20 54	....	....	7.7...	....	....
6222	Σ 1663 = O Σ 252	DM (21°) 2436	31 12	21 52	116.8	0.81	7.8... 8.7	1830.38	Z 3	
6223	Pritchett	....	31 18:	- 7 0	76.8	5.89	....	1880.36	Pt 1	
6224	H 2615	....	31 24	-13 13	288.6	8±	12 ... 12	1830+	H	
6225	Σ 1664	W ¹ XII ^b . 508	32 7	-10 51	271.6	17.10	7.7... 8.8	1830.23	Z 3	Yel.: blue
6226	H 1219	DM (45°) 2055	32 14	45 24	85±	8±	10 = 10	1828+	H	
6227	Hu 468	SD (17°) 3667	32 16	-17 53	301.4	1.03	9.0... 12.2	1902.32	Hu 3	(Bul. L. O. No. 21)
6228	H 2616	....	32 27	14 27	....	....	....	1830+	H	
6229	Σ 1665	W ¹ XII ^b . 516	32 30	- 4 40	97.4	8.83	8.5... 9.0	1830.23	Z 3	White
6230	S 639	P XII ^b . 143	32 33	- 3 43	105.4	50.55	8 ... 13-14	1825.36	S 3	
6231	H 4537	Corv. DM (30°) 10041	32 56	-30 8	355±	12±	9 ... 11	1834.3	H	
6232	H 1220	....	33 0	- 0 54	50±	4±	10-11... 11-12	1828+	H	
6233	Σ 1666	DM (15°) 2491	33 8	14 59	189.8	7.10	7.9... 10.0	1830.08	Z 4	7.9 yel'ish wh.
6234	Σ 1667	DM (65°) 894	34 23	65 20	38.9	1.09	8.5... 9.5	1832.89	Z 5	White
6235	H 213	....	34 28:	15 55:	225±	15±	....	1820+	H	
6236	Σ 1668	Virginis 270	34 50	9 29	196.9	1.70	7.5... 8.0	1830.02	Z 3	Very wh.
6237	H 2617	W ¹ XII ^b . 710	34 51	40 57	10.8	4±	9 ... 10	1830+	H	
6238	β 607	Schj. 4572	35 2	- 0 48	315.8	1.16	8.8... 11.0	1878.23	β 4	
6239	Σ 1669	Corvi 58	35 3	-12 21	298.9	5.44	6.5... 6.5	1828.66	Z 3	Yel'ish wh.
6240	H 2618	DM (75°) 477	35 10	75 21	24.6	20±	9 = 9	1830+	H	
6241	H 2619	O. Arg. N. 12895	35 25	75 5	270.0	25±	8-9... 11	1830+	H	
6242	η VI. 81	27 Virginis	35 32	11 5	....	88.80	....	1783.10	η 1	
6243	Σ 1670	γ Virginis	35 37	- 0 47	277.9	2.37	3.0... 3.0	1825.32	Z 6	A and B } A and C } B and D } AB yel'ish
					159.4	53.12	... 14.5	1889.30	β 3	
					88.0	102.78	... 11.6	1880.27	β 3	
6244	H 54	W ¹ XII ^b . 573	12 35 46	10 33	102.9	120.11	7.0...	1882.43	H 1	A and BC }
					151.0	1.48	10 ... 10	1882.43	H 1	B and C }
					35.7	2±	... 13.5	1883.41	H 1	BC and D }

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
6245	β 924	31 <i>Virginis</i>	12 ^h 35 ^m 52 ^s	7° 28'	29° 0	3.66	5.8...11.6	1880.14	β 5	
6246	H. N. 143	....	36 :	8 42:	sp	CL I	....	1802.08	H 1	
6247	Σ 1671 <i>rej.</i>	DM (69°) 673	36 6	69 10	....	....	8...9...9	....	Z	Cl. IV and V
6248	H 4542	O. Arg. B. 12355	36 14	-23 57	60.6	30±	7½...12	1836.2	H	In O. Arg. 9 m.
6249	Σ 1673 <i>rej.</i>	DM (-1°) 2716	36 49	- 1 36	....	....	9 ...10	....	....	Cl. III-IV (See p. 1074)
6250	Σ 1672	W ^a XII ^b . 747	36 50	34 28	314.1	4.15	8.0... 9.2	1832.30	Z 4	8.0 white
6251	H 215	....	37 30:	- 4 8:	285±	2-3	12 ...14	1820+	H	
6252	Hu 738	SD (11°) 3353	37 33	-11 21	243.6	6.50	6.3...11.5	1900.24	Hu 3	
6253	Σ 1674	DM (8°) 2636	37 43	8 13	174.4	2.35	8.5... 9.2	1829.65	Z 3	White
6254	Ho 380	W ^a XII ^b . 766	37 51	15 46	348.5	1.62	8.2...12	1892.35	Ho 2	
6255	H 1221	....	38 :	74 11:	260±	....	....	1828+	H	
6256	OZ 253	L 23748	38 3	21 50	238.1	6.56	7.3...10.5	1847.31	OZ 4	7.0 white
6257	OZ 254 <i>rej.</i>	Rad ^a . 2904	38 18	59 32	....	obl.?	7 ...	....	OZ	
6258	Ho 256	DM (36°) 2305	38 23	36 26	101.9	0.5±	7.0... 9.0	1887.40	Ho 1	
6259	Σ 1675	DM (35°) 2370	38 40	35 4	9.6	31.07	8.3... 9.0	1831.38	Z 3	Yel'sh: wh.
6260	Σ 1676	DM (37°) 2317	38 44	36 56	348.9	4.11	9.2... 9.9	1832.14	Z 5	
6261	Σ 1677	W ^a XII ^b . 635	39 7	- 3 14	348.4	15.90	7.0... 8.0	1830.61	Z 3	Yel'sh: wh.
6262	H 521	DM (28°) 2148	39 11	28 3	10±	20±	7 ...20	1820+	H	
6263	Σ 1678	DM (15°) 2504	39 26	15 2	211.6	32.60	6.3... 7.0	1832.27	Z 6	Very wh.: yel'sh wh.
6264	H 4549	....	39 34	-23 47	135±	15±	10½...11	1836.2	H	
6265	H 217	....	39 51:	10 49:	160±	25±	....	1820+	H	
					220±	25±	....	1820+	H	
6266	O. Stone 24	....	40 2	-21 47	113.3	1.5±	8.5...10.5	1879.35	Cin 1	
6267	OZ 255 <i>rej.</i>	W ^a XII ^b . 654	40 8	3 7	337.6	20.20	7 ...12	1878.28	β 1	
6268	Σ 1679	O. Arg. H. 12973	40 28	50 29	208.3	5.52	8.5... 9.0	1832.05	Z 3	White
6269	A. G. 181	A. G. Lohd. 4764	41 28	34 36	....	....	9.3...	....	....
6270	H 4551	....	41 48	-24 9	321.2	20±	10 = 10	1835.4	H	"Between two bright stars"
6271	β 459	W ^a XII ^b . 689	41 58	4 7	289.5	3.80	8.2...11.5	1877.93	δ 2	
6272	A. G. 182	A. G. Lohd. 4768	42 16	34 59	192.4	2.27	9.2...10.0	1904.26	β 1	
6273	Hu 135	SD (12°) 3700	42 47	-12 58	353.0	3.38	8.7... 9.3	1900.32	Hu 4	(A. J. 485)
6274	S 642	W ^a XII ^b . 848	42 49	14 42	36.2	54.42	8½...11	1825.34	S 2	
6275	O. Stone 25	....	43 :	-20 40	1.6	10±	8.5...10.0	1879.35	Cin 1	(Cin5)
6276	Hu 117	DM (8°) 2644	43 4	8 18	16.8	2.39	9.1...9.5	1888.36	Com 3	
6277	Σ 1680	DM (22°) 2515	43 18	22 26	341.4	3.01	8.8...11.0	1830.66	Z 3	
6278	Σ 1681	W ^a XII ^b . 719	43 29	4 28	193.5	8.47	8.5... 8.5	1830.32	Z 3	White
6279	Hu 136	SD (17°) 3715	44 10	-17 56	131.7	0.75	9.0... 9.4	1900.35	Hu 2	(A. J. 485)
6280	A 563	A. G. Berlin B. 4621	44 11	24 48	210.0	0.44	9.0... 9.8	1903.43	A 4	(Bul. L. O. No. 50)
6281	Hu 640	DM (21°) 2462	44 47	21 11	94.5	0.39	9.5... 9.5	1902.54	Hu 1	
6282	H 4553	....	44 49	-29 6	348.6	8±	10 ...11	1835.2	H	
6283	Σ 1717	DM (89°) 21	45 :	89 20	340.7	7.80	8.6...10.0	1832.89	Z 5	
6284	Σ 1682	P XII ^b . 196	45 8	- 9 41	308.8	33.65	6.7... 9.0	1831.61	Z 3	6.7 yel.
6285	H 4554	Lac. 5301	45 15	-30 25	28±	18±	6 ...10	1834.3	H	
6286	Σ 1683	SD (5°) 3585	45 28	- 5 29	197.2	15.35	8.3...11.0	1831.61	Z 3	8.3 yel.
6287	H 522	30 <i>Comae</i>	45 51	28 13	3±	35-40	6 ...18	1820+	H	
6288	H 649	....	45 52	10 17	315±	2±	11 ...12	1820+	H	
6289	Σ 1685	P XII ^b . 201, 202	45 59	19 49	200.8	15.82	6.8... 7.3	1829.87	Z 6	White
6290	Σ 1684 <i>rej.</i>	DM (26°) 4399	46 2	26 20	....	CL IV	7 ...10	....	Z	
6291	H 523	....	46 9	35 26	360±	10±	10 = 10	1820+	H	
6292	Σ 23, App. I	32 and 33 <i>Comae</i>	46 14	17 43	48.8	194.77	5.3... 6.1	1836.32	Z 5	Yel.: wh.
6293	H 2621	W ^a XII ^b . 766	46 25	7 52	....	40±	9...9...11	1830+	H	
6294	H 524	DM (32°) 2288	46 42	32 35	110±	12±	10 ...11	1820+	H	
6295	Σ 1686	<i>Virginis</i> 359	46 59	15 41	187.6	5.37	8.0... 8.2	1829.33	Z 3	White
6296	Σ 1687	35 <i>Comae</i>	47 23	21 54	25.3	1.43	5.0... 7.8	1829.99	Z 5	A and B } AB yel'sh: A and C } blue
					124.7	28.60	... 9.0	1830.15	Z 4	
6297	O. Stone 26	O. Arg. H. 12501	47 25	-28 40	31.5	2.99	7.6... 9.5	1881.34	β 3	
6298	H 218	12 47 26:	18 37	265±	10±	11 ...12	1820+	H	

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6299	S 643	L 24020-21	12 ^h 47 ^m 40 ^s	-17° 23'	295° 1	23.51	8 ... 9	1825.26	S 4	
6300	H 1222	P XII ^b . 209	47 40	47 26	9-10...	1828+	H	
6301	H 4556	Yar. 5376	47 48	-27 18	83.0	7±	8 ... 10	1835.2	H	
6302	Σ 1688	L 24038	47 53	38 37	346.0	14.19	8.5...10.0	1831.34	Z 2	8.5 white
6303	Σ 1694	Camelopardali 32 (Rev)	48 13	84 4	327.2	21.75	4.9... 5.4	1832.51	Z 4	Very wh.
6304	H 2622	DM (43°) 2274	48 46	43 28	337.5	18±	9-10...13	1830+	H	
6305	H 2623	DM (43°) 2275	49 0	43 33	169.9	20±	10 ... 13	1830+	H	
6306	H 4558	....	49 22	-29 29	182.8	20±	9½...10	1835.2	H	
6307	Σ 1689	P XII ^b . 221	49 29	12 9	198.4	28.66	6.7... 9.0	1827.78	Z 2	Yel'sh: bluish
6308	....	8 Virginis	49 34	4 3	142.3	152.03	3½...10.5	1879.30	β 2	
6309	Σ 1691	DM (58°) 1402	49 50	58 49	276.5	19.05	8.2... 9.0	1831.53	Z 3	White
6310	H 850	....	49 52	8 51	173±	5±	10 ... 11	1820+	H	
6311	Σ 1690	W ^a XII ^b . 831	50 4	-4 13	149.8	5.85	7.4... 8.9	1832.47	Z 6	Wh.: bluish
6312	OΣ 256	L 24098	50 17	-0 18	57.2	0.66	7.2... 7.6	1848.70	OΣ 6	White
6313	Σ 1692	12 Canum Ven.	50 25	38 58	227.3	19.92	3.2... 5.7	1830.52	Z 4	White
6314	Σ 1697 rej.	W ^a XII ^b . 998	50 34	43 2	....	Cl. IV	8 ... 9	....	Z	
6315	Σ 1693	W ^a XII ^b . 844	50 36	7 40	335.2	8.35	9.0... 9.7	1828.28	Z 3	
6316	Ho 538	L 24113	50 38	21 40	117.8	2.10	8.7...12	1894.35	Ho 3	(A. N. 3557)
6317	Σ 1698	O. Arg. N. 13151	50 55	75 18	109.5	10.31	8.2... 8.7	1831.58	Z 2	White
6318	Σ 1695	Ursae Majoris 417	51 3	54 45	289.1	3.26	6.3... 8.2	1832.13	Z 3	Wh.: ash
6319	β 925	Groom. 1938	51 6	44 12	211.3	7.11	6.5...12.0	1879.82	β 2	
6320	A 146	L 24121	51 13	-9 6	308.0	1.82	7.5... 9.8	1901.27	A 3	
6321	OΣ 257	Rad ^a . 2940	51 15	46 16	353.6	13.08	7.5... 8.2	1846.73	OΣ 3	
6322	H 2624	....	51 20	-16 30	223.5	18±	9 ... 10	1830+	H	
6323	O. Stone 27	L 24129	51 32	-12 29	65.1	2.03	7.8... 8.0	1880.30	Cin 3	
6324	Σ 1696	W ^a XII ^b . 1010	51 38	31 1	202.5	3.60	8.0... 8.2	1832.60	Z 3	Very wh.
6325	H 2626	....	51 43	70 41	54.5	12±	11 ... 12	1830+	H	
6326	β 926	L 24147	52 14	-5 24	270.4	2.06	8.1...11.3	1880.33	β 3	
6327	H 2627	DM (48°) 2069	52 16	48 7	135.5	16±	9-10...11	1830+	H	
6328	Hu 641	DM (50°) 1965	52 30	50 27	8.7	0.30	10.0...10.0	1902.96	Hu 1	
6329	Σ 1699	W ^a XII ^b . 1030	52 54	28 8	1.2	1.47	7.8... 7.8	1830.41	Z 3	
6330	Σ 1700	DM (27°) 2201	52 54	27 46	83.4	7.07	8.2...10.0	1831.34	Z 3	8.2 yel'sh
6331	Σ 1702	DM (39°) 2586	52 56	38 56	82.7	35.65	8.0... 8.5	1831.35	Z 2	Yel'sh wh.: wh.
6332	OΣ 258	Rad ^a . 2946	52 58	83 10	70.2	10.41	6.8...10.0	1848.17	OΣ 3	7.2 yel.
6333	Σ 1703	L 24179	53 7	8 33	283.1	22.65	8.0...11.0	1829.27	Z 2	8.0 yel'sh
6334	Σ 1701	DM (7°) 2600	53 16	7 9	306.6	21.68	7.5... 9.5	1829.74	Z 2	7.5 yel'sh
6335	H 2628	DM (59°) 1475	53 21	59 1	34.6	25±	9 ... 10-11	1830+	H	8.3 m. in DM
6336	H 2629	DM (74°) 516	53 23	74 46	36.5	18±	9 ... 13	1830+	H	
6337	Σ 1704	44 Virginis	53 29	-3 10	53.0	21.29	6.0...11.2	1830.63	Z 3	6.0 wh.
6338	H 1223	DM (43°) 2285	53 45	43 24	190±	15±	9 ... 11-12	1828+	H	
6339	Σ 1706 rej.	W ^a XII ^b . 896	53 45	1 1	180±	15±	8 ... 10.5	1876	β	
6340	A 564	A. G. Berlin 4659	54 16	24 21	329.7	1.52	8.8...12.2	1903.32	A 3	(Bul. L. O. No. 90)
6341	H 1224	....	54 19	-5 25	50±	5±	11 ... 12	1828+	H	"Close to neb."
6342	A. G. Clark 5	46 Virginis	54 25	-2 43	159.2	1.28	6 ... 11	1876.41	H1 3	A and B }
					116.9	33.86	... 13	1878.28	β 1	A and C }
6343	β 1081	37 Comae	54 32	31 26	351.3	5.15	4.5...13.8	1889.13	β 3	
6344	Hu 14	Lam. 1121	54 39	3 31	262.2	2.81	8.3...10.5	1881.43	β 3	
6345	β 112	P XII ^b . 243	54 46	19 1	292.4	1.75	9.6...10.0	1875.08	Δ 3	B and C }
					347.4	153.39	6.2...	1875.38	Δ 2	A and BC }
6346	Σ 1705	DM (15°) 2531	54 49	15 2	188.0	26.77	8.2... 9.7	1827.80	Z 2	
6347	Σ 1707	DM (16°) 2446	55 17	16 31	30.9	10.22	8.5...10.3	1828.90	Z 3	
6348	β 1082	78 Ursae Majoris	55 35	57 1	74.6	1.50	6.0... 9.6	1889.17	β 6	
6349	Σ 1708	W ^a XII ^b . 937	56 6	7 56	296.5	11.14	8.5...10.0	1828.28	Z 2	
6350	H 2630	....	56 6	-16 51	99.2	13±	11 ... 11+	1830+	H	
6351	Barnard 6	DM (16°) 2448	56 31	16 12	41.3	2.97	9.1...	1895.30	Bar 1	(A. J. 447)
6352	β 927	L 24257	12 56 34	-5 53	291.3	4.17	8.3...10.3	1880.31	β 3	

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
6353	H 1225	....	12 ^h 56 ^m 38 ^s	- 1° 20'	110° ±	11" ±	11 ... 12	1828+	H	
6354	Σ 1709	DM (24°) 2528	56 40	24 9	249.3	2.17	7.1... 9.9	1831.84	Z 4	7.1 very wh.
6355	A. G. 183	DM (23°) 2528	56 44	23 36	....	....	8.2...	....	....
6356	Hu 137	SD (11°) 3421	56 47	-11 31	120.7	3.58	9.1... 9.2	1900.47	Hu 3	(A. J. 485)
6357	H 2631	DM (57°) 1412	56 54	57 33	222.6	18 ±	9-10... 13	1830+	H	"A large star sp"
6358	Σ 1711	DM (14°) 2572	56 54	14 7	355.9	1.43	8.5... 9.0	1829.35	Z 3	
6359	H 2633	DM (74°) 518	56 55	74 21	96.0	3 ±	10-11=10-11	1830+	H	"A neat star"
6360	Σ 1710	DM (11°) 2530	56 57	11 5	266.3	2.21	8.7... 10.0	1828.35	Z 3	
6361	A. G. 184	DM (23°) 2530	57 9	23 17	....	....	7.5...	....	....
6362	β 928	L 24274	57 10	- 5 47	313.2	1.83	7.8... 8.7	1880.31	β 3	
6363	β 341	Hydrae 348	57 20	-19 56	136.2	0.83	6.2... 6.7	1877.00	Δ 3	
6364	Kr 41	A. G. Mole. 7413	57 32	57 4	336.9	3.40	9.0... 9.4	1891.29	β 1	
6365	H 2632	O. Arg. N. 13242	57 34	47 22	358.6	16 ±	9 ... 13	1830+	H	(See p. 1074)
6366	Σ 1713 rej.	DM (26°) 2420	57 41	26 26	....	Cl. IV	8 ... 8-9	....	Z	
6367	β 929	48 Virginis	57 43	- 3 1	229.4	0.48	6.2... 6.2	1879.40	β 3	
6368	Σ 1712	DM (10°) 2506	57 46	10 6	336.6	8.57	9.0... 9.4	1828.77	Z 4	
6369	Σ 1714	W ^o XII ^b . 1116	57 49	24 17	311.0	3.03	8.8... 9.2	1832.60	Z 3	
6370	H 2634	....	57 54	48 23	64.3	20 ±	9-10... 14	1830+	H	(See p. 1074)
6371	Σ 1715	W ^o XII ^b . 1121	58 9	20 2	229.7	6.82	8.6... 9.6	1831.82	Z 4	
6372	H 1226	....	58 14	41 32	215.8	8 ±	10 = 10	1828+	H	
6373	Σ 1716	Virginis 427	58 28	9 18	151.3	2.60	8.1... 10.9	1831.09	Z 4	
6374	β 798	L 24307	58 40	-17 2	174.3	0.54	8.1... 8.5	1881.38	β 5	
6375	H 2635	....	58 43	4 19	147.1	8 ±	12 = 12	1830+	H	
6376	Σ 1720	Bedford 1938	58 48	83 35	334.5	1.62	8.4... 8.7	1832.78	Z 4	Very wh.
6377	H 2636	....	59 15	70 42	326.8	15 ±	11 = 11	1830+	H	
6378	A 10	SD (4°) 3415	59 33	- 4 25	350.6	2.72	10.5... 10.8	1899.36	A 2	(A. N. 3635)
6379	H 220	L 24330	59 34	15 22	35 ±	5 ±	8 ... 18	1820+	H	
6380	Espin 125	DM (42°) 2370	59 54	42 19	119.1	2.4	8.0... 10.6	1902	Es 2	(M. N. LXIII, 179)
6381	Ho 257	W ^o XII ^b . 1157	13 0 4	26 52	155.3	1.80	8.8... 8.9	1887.28	Ho 2	
6382	H 2637	SD (20°) 3775	0 14	-20 31	262.5	90 ±	8 ... 8-9	1830+	H	
6383	Hu 643	O. Arg. N. 13289	0 14	51 38	203.1	0.34	9.5... 10.5	1904.32	Hu 3	A and B } (AC=
					272.4	13.12	8.5... 9.0	1831.50	Z 2	AB and C } 2 1718)
6384	Hu 739	DM (21°) 2486	0 24	21 22	33.5	0.80	8.8... 14.5	1902.54	Hu 1	
6385	β 1083	P XII ^b . 268	0 27	29 40	237.3	0.49	11.5... 11.7	1889.11	β 3	B and C }
					209.6	6 ±	6 ...	1830+	H	A and BC }
					6.0	20 ±	...(15)	1830+	H	A and D }
6386	β 930	B. A. O. 4389	0 28	45 55	109.2	2.68	6.0... 12.3	1879.28	β 3	
6387	H 2639	W ^o XII ^b . 1172	0 43	41 34	165.5	20 ±	8-9... 16	1830+	H	"A third star 13 m. more distant"
6388	Lewis 12	....	1 :	27 35:	192.3	0.43	9.0... 9.5	1899.29	L 1	(See p. 1074)
6389	β 799	Groom. 1960	1 7	73 40	238.7	0.57	6.5... 8.5	1881.34	β 5	
6390	Σ 1719	W ^o XII ^b . 1027	1 13	1 14	3.1	7.24	7.3... 7.8	1830.01	Z 3	Very wh.: yel'sh wh.
6391	Comstock	SD (17°) 3774	1 24	-17 21	182.6	3.27	8 ... 12	1888.38	Com 1	
6392	H 2640	DM (13°) 2634	1 36	12 56	4.1	45 ±	8-9... 9-10	1830+	H	
6393	OΣ 259 rej.	L 24394	1 54	24 39	21.3	39.26	7.6... 8.0	1867.23	Δ 3	White
6394	A. G. 185	DM (24°) 2542	2 17	23 56	....	....	9.2...	....	....
6395	OΣ 260	DM (27°) 2219	2 18	27 35	111.3	0.75	7.9... 8.3	1845.75	OZ 5	
6396	S 647	W ^o XII ^b . 1053	2 19	- 2 2	213.9	43.13	8 ... 13	1825.36	S 2	
6397	Σ 1721	W ^o XII ^b . 1055	2 25	1 45	358.3	6.37	9.3... 9.5	1829.64	Z 3	
6398	Σ 1722	Comae 179	2 30	16 8	343.9	3.55	7.8... 8.8	1829.30	Z 3	Yel'sh: bluish
6399	H 2643	....	2 41	77 27	49.3	5 ±	11 ... 12	1830+	H	
6400	Σ 1723	DM (39°) 2607	2 43	39 23	7.8	6.71	8.0... 9.3	1832.01	Z	So yel'sh wh.
6401	H 2642	....	2 43	49 55	179.4	8 ±	10 ... 11	1830+	H	"Neat"
6402	H 2641	....	2 54	8 38	231.9	5 ±	12 ... 13	1830+	H	
6403	H 2644	DM (77°) 502	3 12	76 56	76.4	30 ±	9-10... 9-10	1830+	H	B = DM (77°) 501
6404	Hu 572	DM (22°) 2545	13 3 19	22 6	348.6	0.41	8.0... 9.0	1902.47	Hu 3	(Bul. L. O. No. 27)

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
6405	Σ 1724	<i>0 Virginis</i>	13 ^h 3 ^m 44 ^s	- 4° 54'	344° 0	7.07	4.0... 9.0	1830.32	Z 3	A and B } 4.0 wh.
					294.9	63.88	....	1782.30	H 1	A and C }
6406	Σ 1728	42 Comae	4 10	18 10	10.9	0.57	6.0... 6.0	1827.28	Z 1	Yel.
6407	Σ 1727	DM (31°) 2324	4 12	32 1	335.0	7.26	8.7... 10.2	1831.29	Z 3	
6408	H 1227	....	4 23	4 17	125±	10±	11 ... 13	1828+	H	
6409	β 609	W ^o XIII ^b . 27	4 30	- 4 18	356.1	0.89	7.0... 11.0	1878.32	β 1	
6410	β 608	17 Canum Ven.	4 33	39 8	284.9	1.22	5.5... 10.5	1878.32	β 2	A and B }
					297.5	289.98	... 5.9	1835.69	Z 5	A and C }
6411	β 931	<i>Virginis</i> 454	4 51	13 57	204.9	4.89	6.7... 11.8	1879.25	β 4	
6412	O Σ (App) 121	Rad ^r . 2973	5 12	62 52	9.3	107.81	6.5... 9.7	1877.50	Δ 3	
6413	Σ 1729	DM (31°) 2462	5 33	31 28	274.8	8.05	8.5... 10.0	1830.43	Z 2	
6414	H 2645	53 <i>Virginis</i>	5 40	-15 33	30±	50±	....	1830+	H	
6415	O Σ 261	L 24530	6 23	32 43	359.2	0.63	6.9... 7.4	1843.80	O Σ 2	Yel ^r sh
6416	Howe 27	Lac. 5440	6 24	-28 28	292.0	2.75	7.5... 9.2	1877.41	Cin 2	
6417	Σ 1730	DM (37°) 2376	6 32	37 33	335.0	1.72	8.4... 10.1	1832.52	Z 4	8.4 white
6418	Hu 573	DM (23°) 2548	6 42	23 33	173.4	2.51	8.8... 13.0	1902.51	Hu 2	(Bul. L. O. No. 27)
6419	H 1228	SD (2°) 3647	6 47	- 2 13	200±	9±	10 ... 12	1828+	H	
6420	O Σ 262	Rad ^r . 2977	6 51	74 36	182.5	28.04	7.3... 8.2	1847.08	O Σ 3	Wh.: reddish
6421	β 221	L 24532	6 54	-14 49	48.6	1.68	8.1... 9.6	1875.35	Δ 3	
6422	Sh 151	54 <i>Virginis</i>	7 3	-18 11	33.7	6.77	7 ... 7½	1823.27	Sh 1	
6423	Σ 1731	L 24542	7 5	- 1 55	299.6	8.75	7.9... 10.1	1831.30	Z 6	7.9 yel ^r sh wh.
6424	H 221	....	7 8:	11 51:	195±	....	9 ... 14	1820+	H	
6425	S 648	W ^o XIII ^b . 93	7 16	18 40	64.6	88.97	10 ... 12.5	1825.38	S 3	
6426	Σ 1732	DM (59°) 1493	7 50	59 5	128.1	26.34	8.0... 9.5	1831.59	Z 2	8.0 white
6427	O. Stone 28	L 24560	7 57	-23 39	335.0	11.46	7.0... 11.3	1879.37	β 1	
6428	Ho 55	L 24574	8 1	30 27	180±	0.6±	7 ... 11	1884.41	Ho	
6429	H 4575	O. Arg. 8. 12732	8 9	-27 13	76.1	20±	9 ... 9	1836.2	H	
6430	H 2647	<i>Virginis</i> 475	8 32	11 58	206.3	30±	7 ... 16	1830+	H	
6431	Sh 162	P XIII ^b . 25	8 39	-10 43	61.7	44.85	7 ... 8	1823.34	Sh 1	
6432	O Σ (App) 122	Rad ^r . 2982	8 42	57 21	210.5	115.08	7.0... 8.0	1876.43	Δ 3	
6433	β 342	O. Arg. 8. 12741	8 49	-18 17	36.3	3.89	8.0... 8.6	1876.33	Δ 2	
6434	Σ 25, App. I	Rad ^r . 2985	9 23	67 55	296.7	178.77	5.9... 6.3	1835.66	Z 6	A and B } AB yel.: C wh.
					233.5	124.90	... 7.8	1835.66	Z 5	A and C }
6435	H 528	DM (40°) 2635	9 29	40 22	183±	8±	9 ... 11	1820+	H	
6436	A 11	SD (2°) 3659	9 44	- 2 28	204.7	4.33	8.5... 13.0	1899.45	A 3	(A. N. 3635)
6437	See 174	Lac. 5467	10 15	-29 57	1.1	0.16±	8.2... 8.2	1897.40	See 1	
6438	Σ 1733	DM (18°) 2707	10 27	17 53	125.0	4.58	8.2... 9.8	1827.99	Z 3	8.2 white
6439	H 2648	W ^o XIII ^b . 141	10 38	-12 31	95.4	30±	8 ... 13	1830+	H	
6440	H II. 46	....	10 42:	17 42:	96.7	....	....	1782.28	H	A and B }
					....	60±	....	1782.28	H	A and C }
6441	A. G. 186	A. G. Alb. 4677	10 47	2 49	306.9	3.38	9.0... 10.1	1903.06	M 3	
6442	β 800	Comae 201	10 52	17 40	121.5	1.27	7.1... 10.2	1881.36	β 4	
6443	β 222	L 24636	10 55	-20 54	7.7	1.89	8.0... 9.0	1877.11	Cin 1	
6444	H 1230	....	11 1	42 40	290±	12±	11 = 11	1828+	H	"Immediately / M 63"
6445	H 1229	....	11 3	- 3 26	160±	15±	10 ... 13	1828+	H	
6446	O Σ 263	Rad ^r . 2988	11 32	51 12	133.0	2.26	7.7... 8.5	1846.83	O Σ 3	
6447	H VI. 90	61 <i>Virginis</i>	12 8	-17 39	345±	73.25	5 ... 10	1783.00	H 1	
6448	W. Upton 2	....	12 35	-25 55	21.5	17.10	8 ... 9	1879.42	Cin 2	
6449	H 222	DM (12°) 2583	13 4	12 18	142.4	20±	9 ... 11	1820+	H	
6450	Hu 740	SD (10°) 3652	13 24	-11 3	271.9	3.88	7.5... 13.0	1901.49	Hu 1	
6451	H 2649	DM (55°) 1590	13 29	54 58	345.4	25±	9 ... 9+	1830+	H	
6452	H 529	DM (35°) 2436	13 59	35 47	120±	9±	9-10... 11	1820+	H	
6453	H 223	W ^o XIII ^b . 242	14 17	16 12	330±	35±	9 ... 11	1820+	H	"Yellow: blue"
6454	Hu 644	DM (48°) 2108	14 34	48 25	99.0	0.91	8.4... 9.2	1904.32	Hu 3	
6455	Σ 1734	DM (3°) 2758	14 36	3 34	198.1	0.73	7.2... 7.9	1830.35	Z 4	White
6456	H 2650	....	13 15 28	69 7	270±	3±	12 ... 14	1830+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
6457	....	SD (22°) 3570	13 ^h 15 ^m 36 ^s	-22° 13'	287° 2	5.88	9.5... 9.7	1903.28	β 3	
6458	Σ 1735	DM (6°) 2733	15 44	6 27	109.2	3.84	9.5... 9.5	1829.39	Σ 2	
6459	Σ 1737	P XIII ^b . 63	15 58	18 24	220.5	15.12	7.7... 10.0	1829.30	Σ 3	Wh.; ash
6460	β 1084	W ¹ XIII ^b . 235	15 59	-4 2	89.8	2.69	7.1... 12.7	1889.31	β 3	
6461	H 225	....	16 2:	11 5:	185±	15±	12 ... 13	1820+	H	A and B }
					50±	30±	... 12	1820+	H	A and C }
6462	Arg. 26	O. Arg. S. 12827	16 3	-22 19	79.8	27.81	8.5... 8.5	1903.28	β 2	
6463	H IV. 57	....	16 12:	17 41:	223.5	17.08	....	1782.28	H 1	
6464	H IV. 119	W ¹ XIII ^b . 243	16 25	-12 33	306.9	21.82	....	1783.18	H 1	
6465	A 565	A. G. Camb. 6445	16 32	27 48	24.5	0.52	8.7... 10.3	1903.32	A 3	(Bul. L. O. No. 50)
6466	Ho 258	W ¹ XIII ^b . 294	16 33	36 16	156.2	10±	7 ... 13.5	1887.39	Ho 1	
6467	A 566	A. G. Camb. 6449	16 37	27 9	62.7	1.55	8.1... 10.0	1903.32	A 3	(Bul. L. O. No. 50)
6468	O. Stone 29	W ¹ XIII ^b . 295	16 38	30 59	175.1	0.4±	7.5... 7.5	1879.30	Cin 1	
6469	Σ 1738	W ¹ XIII ^b . 247	16 51	-14 18	283.5	4.09	8.2... 8.3	1830.31	Σ 3	White
6470	Ho 259	W ¹ XIII ^b . 296	16 55	26 45	242.5	9.70	7 ... 13	1887.37	Ho 2	
6471	Σ 1739 rej.	DM (31°) 2478	16 57	31 9	132.2	12.78	9.2... 10	1902.18	β 2	
6472	H 530	W ¹ XIII ^b . 305	17 13	36 33	18±	27±	8 ... 9	1820+	H	
6473	β 610	Virginis 504	17 28	-20 18	18.3	4.02	6.8... 10.5	1878.24	β 1	
6474	Σ 1740	DM (3°) 2765	17 33	3 20	76.3	27.29	7.1... 7.2	1833.68	Σ 6	White
6475	H 226	....	17 36:	14 38:	35±	6±	12 ... 13	1820+	H	
6476	Ho 260	W ¹ XIII ^b . 223	18 0	29 51	298.8	0.62	8.3... 8.5	1887.36	Ho 2	
6477	Σ 1741	DM (-1°) 2815	18 4	-1 29	262.3	24.88	8.2... 9.7	1828.97	Σ 3	8.2 white
6478	Σ 1742	W ¹ XIII ^b . 267	18 12	2 2	351.1	1.30	7.4... 7.9	1831.85	Σ 4	Yel'sh wh.
6479	β 460	W ¹ XIII ^b . 273	18 40	-15 0	36.4	2.19	8.2... 10.5	1877.90	Δ 2	
6480	Σ 1745 rej.	DM (80°) 409	18 53:	80 3	....	Cl. IV	8 ... 10	....	Σ	From Cat. Nov.
6481	Σ 1743	W ¹ XIII ^b . 281	19 5	-6 57	75.4	5.45	8.2... 9.6	1830.08	Σ 4	8.2 white
6482	Σ 1744	ξ Ursae Majoris	19 5	55 33	147.6	14.37	2.1... 4.2	1830.63	Σ 6	Greenish wh.
6483	OΣ 265 rej.	DM (1°) 2813	19 8	1 29	275.1	17.94	7 ... 10	1851.37	Ma 1	
6484	O. Stone 30	O. Arg. S. 12867	19 43	-22 37	354.9	1.53	8.5... 8.5	1879.37	Cin 2	
6485	H 2651	....	19 48	21 53	344.0	10±	12 ... 13	1830+	H	
6486	H 1231	W ¹ XIII ^b . 361	19 58	41 6	5±	9±	9 ... 13	1828+	H	
6487	H 227	....	20 22:	11 11:	315±	60±	....	1820+	H	
6488	β 1107	O. Arg. S. 12884	20 37	-21 44	133.8	1.17	8.5... 8.5	1889.37	β 5	
6489	H 2652	....	20 43	57 26	254.5	12±	11 ... 12	1830+	H	
6490	β 237	L 24896	20 59	15 0	202.3	2.95	8.3... 10.3	1875.27	Δ 3	
6491	A. G. 187	A. G. Berlin 4789	21 24	21 5	121.2	1.64	9.5... 9.5	1902.47	Hu 2	
6492	H 1232	DM (7°) 2649	21 32	7 32	310±	10±	9 ... 9-10	1828+	H	H (V) to... 11
6493	Σ 1746	DM (10°) 2548	22 11	10 5	250.8	29.62	7.7... 10.3	1829.64	Σ 3	7.7 yel'sh
6494	OΣ 266	L 24930	22 35	16 20	324.2	1.16	7.3... 7.8	1846.10	OΣ 4	
6495	Σ 1747	O. Arg. N. 13645	22 42	48 23	346.5	14.98	8.2... 9.5	1831.50	Σ 2	White
6496	H 2653	SD (17°) 3860	22 44	-17 26	238.6	10±	9 ... 14	1830+	H	
6497	A. G. 188	DM (24°) 2588	22 59	24 12	247.5	2.88	8.8... 12	1902.42	Cg 3	
6498	OΣ (App) 123	Rad ¹ . 3020	23 2	65 22	147.1	68.95	6.4... 6.8	1876.38	Δ 3	
6499	OΣ 267	Rad ¹ . 3028	23 9	76 36	300.8	0.25	8.0... 8.0	1849.60	OΣ 2	
6500	β 113	DM (12°) 2597	23 10	12 6	188.8	1.57	8.5... 11.0	1875.32	Δ 4	
6501	Ho 381	R Hydrae	23 10	-22 39	323.2	21.15	Var... 12.5	1891.63	Ho 4	
6502	Σ 1748	DM (22°) 2584	23 24	22 48	179.6	5.48	8.0... 11.0	1832.31	Σ 3	8.0 wh.
6503	H 2654	....	23 37	-13 53	13.4	16±	10-11... 11	1830+	H	(See p. 1075)
6504	Σ 1749 rej.	W ¹ XIII ^b . 436	23 39	31 42	....	Cl. III	8-9... 10	....	Σ	From Cat. Nov.
6505	Ho 540	O. Arg. S. 10588	23 51	-23 2	197.8	13.53	7 ... 12	1895.00	Ho 3	(A. N. 3557)
6506	H 2655	....	23 52	-22 51	277±	12±	10 ... 12	1830+	H	
6507	H 2656	SD (12°) 3826	23 59	-12 19	313.4	18±	10 ... 10-11	1830+	H	
6508	S 649	Ursae Majoris 426	24 3	60 34	111.0	181.49	6 ... 9	1824.30	S 2	
6509	Σ 1750	72 Virginis	24 10	-5 51	16.1	30.06	6.2... 11.5	1831.53	Σ 4	6.2 yel'sh
6510	Σ 1752	P XIII ^b . 113	24 26	60 33	149.4	1.63	8.0... 10.0	1832.17	Σ 3	8.0 yel.
6511	Σ 1751	DM (10°) 2553	13 24 41	9 56	58.9	5.69	7.5... 10.7	1831.90	Σ 4	7.5 yel'sh

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
6512	OX 268 <i>rej.</i>	L 25006	13 ^h 25 ^m 8 ^s	24° 51'	77° 1	19.61	....	1878.22	β 1	A and B }
					259.4	67.57	7.0... 7.4	1876.07	Δ 3	A and C }
6513	H 4593	O. Arg. B. 12927	25 32	-22 21	90 \pm	20 \pm	9=9	1834+	H	
6514	Σ 1754 <i>rej.</i>	DM (61°) 1359	25 37	60 58	48.7	20 \pm	8 ... 12	1830+	H	H (V). (See p. 1075)
6515	H 531	W ^a XIII ^b . 481	25 41	29 34	35.8	30 \pm	8 ... 11	1820+	H	
6516	Sh 165	SD (11°) 3535.3537	26 3	-12 3	78.8	47.72	6 ... 8	1823.39	Sh 1	
6517	Hu 469	SD (17°) 3881	26 5	-17 8	34.5	0.91	8.8... 9.1	1902.35	Hu 3	(Bul. L. O. No. 21)
6518	H 2658	75 <i>Virginis</i>	26 27	-14 45	110.3	90 \pm	5 ... 13	1830+	H	
6519	A. G. 189	A. G. Lund 5795	26 40	37 24	....	....	9.4...	....	....
6520	Hu 15	L 25043	26 46	-1 48	296.3	16.17	7.0... 11.2	1881.32	β 2	
6521	Holmes	....	26 48	36 56	163.4	7.30	9.1... 9.5	1901.84	Es 2	Espin (M. N. LXII, 539)
6522	Σ 1755	W ^a XIII ^b . 506	26 59	37 26	133.8	4.28	7.0... 7.9	1832.19	Σ 5	Yellowish: bluish
6523	A 567	A. G. Berlin 4813	27 7	24 58	260.3	1.42	5.8... 12.5	1903.39	A 3	
6524	OX 269	L 25074	27 26	35 31	218.0	0.33	6.5... 7.0	1844.31	OX 1	
6525	Hu 470	SD (10°) 3705	27 28	-10 55	253.7	3.55	7.5... 12.5	1901.48	Hu 3	(Bul. L. O. No. 21)
6526	Σ 1756	DM (23°) 2584	27 38	23 38	176.8	14.15	8.5... 9.0	1831.33	Σ 3	White
6527	Σ 1758	O. Arg. N. 13741	27 56	49 45	311.4	4.21	8.0... 8.2	1832.14	Σ 3	White
6528	β 114	W ^a XIII ^b . 438	28 0	-8 0	137.1	1.49	7.6... 8.0	1875.30	Δ 4	
6529	S 650	W ^a XIII ^b . 444	28 9	-12 49	149.2	45.52	8½... 11	1825.35	S 2	
6530	Σ 1757	P XIII ^b . 127	28 9	0 18	21.0	1.54	7.8... 8.9	1831.78	Σ 7	White
6531	Σ 1759	DM (28°) 2238	28 9	28 4	153.7	9.78	8.5... 10.2	1831.83	Σ 2	
6532	H 2659	W ^a XIII ^b . 542	28 11	40 33	315 \pm	10 \pm	8-9... 18	1830+	H	
6533	Hu 471	SD (15°) 3697	28 15	-15 13	21.0	0.71	9.0... 12.2	1902.41	Hu 3	(Bul. L. O. No. 21)
6534	β 932	<i>Virginis</i> 550	28 18	-12 36	81.2	0.47	6.1... 6.6	1879.39	β 4	A and B }
					155.2	23.82	... 12.4	1879.68	β 3	AB and C }
6535	Ku 45	DM (16°) 2528	28 18	15 53	291.5	0.98	9.8... 10.0	1902.46	Ku 3	Kustner (3821)
6536	Σ 1760	W ^a XIII ^b . 546	28 46	26 53	65.0	8.52	8.0... 8.0	1831.10	Σ 3	White
6537	H 2660	....	28 49	25 39	142.4	15 \pm	10 ... 12-13	1830+	H	
6538	H 1233	SD (16°) 3702	29 0	-16 14	90 \pm	9 \pm	10 ... 13	1828+	H	
6539	Σ 1761	O. Arg. N. 13780	29 2	72 20	72.0	20.14	8.5... 9.0	1832.31	Σ 2	White
6540	H 1234	W ^a XIII ^b . 557	29 4	39 24	40 \pm	30 \pm	7 ... 11	1828+	H	
6541	β 933	W ^a XIII ^b . 555	29 7	33 45	30.7	1.88	8.4... 8.8	1879.80	β 4	A and B }
					21.8	34.48	... 12.5	1879.68	β 3	A and C }
6542	A 12	P XIII ^b . 129	29 12	-4 19	349.0	4.54	8.2... 12.7	1899.52	A 3	(A. N. 3635)
6543	H 4597	Cord. DM (29°) 10452	29 14	-30 0	195.1	2½ \pm	10 ... 11	1835.2	H	
6544	H 2662	DM (33°) 2355	29 24	33 51	287.5	20 \pm	9-10... 10	1830+	H	
6545	H 228	W ^a XIII ^b . 481	29 35	10 49	10 \pm	60 \pm	7 ... 8	1820+	H	
6546	S 651	<i>Hydrae</i> 369	30 9	-25 53	192.5	10.35	8 ... 8½	1825.34	S 2	
6547	Hu 741	DM (22°) 2604	30 16	22 0	55.8	0.26	9.5... 9.5	1902.54	Hu 1	
6548	H 4599	....	30 29	-29 20	....	....	....	1834+	H	
6549	H 2664	DM (57°) 1448	30 32	56 58	20.6	25 \pm	10 ... 11	1830+	H	
6550	H 2663	W ^a XIII ^b . 585	30 35	20 36	324.5	40 \pm	9 ... 10	1830+	H	
6551	Σ 1767	O. Arg. N. 13803	30 39	68 22	353.8	4.67	8.0... 8.5	1832.13	Σ 3	White
6552	H 1235	....	30 41	-1 2	245 \pm	6 \pm	11-12... 12-13	1828+	H	
6553	H 3340	....	30 47	16 35	204.5	1 \pm	11 ... 11	1831+	H	
6554	A. G. 190	DM (50°) 2012	30 48	50 16	9.2	3.17	8.9... 9.1	1902.30	Es 4	
6555	Kr 42	A. G. Hale. 7633	31 8	60 32	217.4	3.81	9.5... 9.6	1891.29	β 1	
6556	Σ 1762	W ^a XIII ^b . 502	31 14	-10 11	283.6	4.65	8.7... 9.3	1830.30	Σ 5	White
6557	β 611	L 25159	31 15	-14 7	259.4	4.63	8.5... 12.0	1878.35	β 2	
6558	Σ 1763	81 <i>Virginis</i>	31 18	-7 16	39.0	2.68	7.5... 7.5	1830.34	Σ 4	Very wh.
6559	See 186	Lac. 5620	31 38	-29 14	196.8	0.20	8 ... 8	1897.49	See 1	(A. J. 431)
6560	Σ 1764	W ^a XIII ^b . 515	31 38	3 0	31.7	16.02	7.0... 8.7	1832.32	Σ 3	Yel.: ash
6561	Σ 1766	W ^a XIII ^b . 604	31 43	30 42	67.9	19.95	8.3... 9.3	1831.39	Σ 3	
6562	H 1237	....	31 45	-0 58	10 \pm	4 \pm	11 ... 13	1828+	H	
6563	Σ 1765 <i>rej.</i>	DM (3°) 2801	31 46	2 58	163.5	39.20	9.5... 9.5	1904.05	β 2	
6564	H 2665	SD (18°) 3649	13 32 1	-18 50	128.4	18 \pm	8 ... 12	1830+	H	9.3 m. in SD

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
6565	H 2666	SD (14°) 3763	13 ^h 32 ^m 2 ^s	-14° 13'	176° 7'	8" ±	9 ... 15	1830+	H	"Difficult"
6566	Σ 1768	25 Canum Ven.	32 7	36 54	76.0	1.07	5.7... 7.6	1831.51	Σ 10	Wh.: blue
6567	A 80	SD (8°) 3604	32 12	- 8 32	359.6	4.32	8.6... 13.2	1900.38	A 2	(A. N. 3668)
6568	H 3341	W ² XIII ^b . 615	32 14	28 56	190.0	1½ ±	10 = 10	1831.50	H	
6569	H.C. Wilson II	Cord. 13 ^b . 1924	32 17	-30 8	80 ±	2 ±	8 ... 8.3	1883.33	W	
6570	H 2667	....	32 49	48 52	6.6	8 ±	11 = 11	1830+	H	
6571	Σ 1769	DM (39°) 2663	32 50	39 47	24.1	2.84	7.3... 9.7	1832.28	Σ 3	A and B } 7.3 yel'sh.
					259.0	55.90	... 8.2	1832.28	Σ 3	A and C } 8.2 wh.
6572	β 934	DM (51°) 1855	32 50	51 4	264.1	1.04	9.0... 9.2	1879.28	β 3	
6573	Σ 1770	P XIII ^b . 156	32 55	51 20	121.0	1.79	6.4... 7.9	1831.80	Σ 4	Yel.: ash
6574	H 533	DM (20°) 2854	32 58	20 2	285 ±	8 ±	9 ... 10	1820+	H	
6575	H 1236	....	33 7	- 4 0	95 ±	6 ±	10-11... 13-14	1828+	H	
6576	Hu 645	DM (22°) 2612	33 14	22 4	21.2	0.88	9.5... 9.5	1902.54	Hu 1	
6577	Σ 1771	DM (70°) 748	33 32	70 23	70.6	1.72	7.8... 8.5	1831.09	Σ 3	
6578	β 612	B. A. C. 4559	33 40	11 21	56.1	0.23	6.0... 6.0	1878.33	β 3	
6579	Egbert 2	....	34 :	-14 26:	349.3	11.70	9.0... 10.0	1879.30	Cin 1	
6580	A. G. 191	A. G. Lund 5841	34 2	36 13	304.9	16.10	9.4... 9.5	1903.12	β 2	
6581	Ho 382	Cord. G. C. 18590	34 4	-27 38	329.0	14.45	8 ... 12	1891.39	Ho 1	A and B }
					282.8	15 ±	... 11	1834+	H	A and C }
6582	H 1238	....	34 16	7 45	300 ±	10 ±	10 ... 10-11	1828+	H	
6583	H 2668	....	34 20	8 1	282.4	4 ±	12 = 12	1830+	H	"Neat"
6584	H 4605	O. Arg. S. 13046	34 28	-29 18	281 ±	15 ±	9 ... 11	1835.2	H	
6585	H 4606	L 25240	34 53	-22 51	350.8	30 ±	7 ... 11	1836.2	H	
6586	Σ 1772	1 Bootis	34 57	20 34	148.7	4.83	6.2... 9.1	1831.57	Σ 5	Bluish wh.: very blue
6587	H 2670	....	35 6	33 29	343.2	20 ±	10 ... 13	1830+	H	
6588	H 2669	SD (13°) 3749	35 23	-13 42	87.2	20 ±	10 ... 11	1830+	H	
6589	Σ 1774 rej.	DM (51°) 1859	35 39	51 7	134.2	17.93	6.7... 10	1879.26	β 1	
6590	Σ 1773	DM (8°) 2747	35 39	8 13	209.8	27.90	9.0... 9.0	1828.83	Σ 2	A and B }
					102.4	57.06	... 9.5	1828.83	Σ 2	A and C }
6591	H 229	....	36 0:	12 35:	45 ±	15 ±	12 ... 13	1820+	H	
6592	....	SD (14°) 3783	36 28	-14 26	0.5	15.43	8.5... 13.5	1901.35	β 1	
6593	H 1239	W ² XIII ^b . 602	36 30	- 4 41	320 ±	15 ±	9 ... 10	1828+	H	
6594	H 2673	DM (60°) 1480, 1481	36 32	60 21	74.1	40 ±	9 ... 9+	1830+	H	
6595	H 2671	L 25285	36 37	-24 22	75.8	25 ±	9 ... 9-10	1830+	H	
6596	H 2672	....	36 37	23 44	319 ±	14 ±	10-11... 11	1830+	H	
6597	Σ 1776	O. Arg. N. 13893	36 51	46 50	200.2	7.33	8.0... 8.0	1832.09	Σ 3	White
6598	Hu 472	SD (16°) 3732	37 1	-16 26	65.0	1.11	9.1... 9.4	1902.41	Hu 3	(Bul. L. O. No. 21)
6599	Σ 1777	84 Virginis	37 3	4 9	235.4	3.39	5.8... 8.2	1828.77	Σ 5	Yel.: very blue
6600	H 230	....	37 15:	18 22:	140 ±	15 ±	10 ... 11	1820+	H	
6601	Σ 1775	P XIII ^b . 171	37 17	- 3 40	335.7	27.75	7.0... 9.7	1829.35	Σ 2	7.0 yel'sh
6602	Σ 1778 rej.	DM (32°) 2378	37 49	32 37	199.9	25 ±	9-10... 12	1830+	H	H (V). (See p. 1075)
6603	H 2675	....	38 5	47 46	294.6	4 ±	13 ... 13-14	1830+	H	"Neat little double star"
6604	H 2676	O. Arg. N. 13909	38 12	50 38	125.7	40 ±	8-9... 10	1830+	H	
6605	H 2674	SD (19°) 3729	38 28	-19 19	4.6	25 ±	9 ... 9+	1830+	H	
6606	H 1240	....	38 33	8 8	285 ±	6 ±	11 ... 12-13	1828+	H	
6607	Σ 3081	SD (11°) 3584	38 46	-11 14	76.3	1.97	8.8... 9.2	1830.62	Σ 3	
6608	H 851	Schj. 4904	38 55	8 58	360 ±	12 ±	8 ... 13	1820+	H	
6609	Σ 1779	DM (24°) 2629	38 56	24 16	147.0	3.82	8.5... 9.8	1832.36	Σ 5	
6610	β 223	L 25350	38 58	- 2 43	343.7	18.73	7.9... 11.1	1871.65	Δ 3	
6611	S 652	L 25348	38 59	- 9 55	146.8	53.87	9 ... 9+	1825.35	S 2	
6612	H 2677	85 Virginis	39 7	-15 10	317.8	35 ±	6 ... 15	1830+	H	
6613	Hu 473	SD (17°) 3924	39 18	-17 57	59.8	3.11	9.0... 9.3	1902.41	Hu 3	(Bul. L. O. No. 21)
6614	Wn 5	L 25358	39 20	- 2 25	164.8	4.68	9.5... 9.5	1855.30	Wn 2	
6615	Σ 1782	DM (19°) 2710	39 22	18 58	185.8	29.83	7.7... 9.2	1828.30	Σ 2	7.7 wh.
6616	β 115	L 25365	13 39 24	9 40	224.4	1.42	8.0... 11.5	1877.40	Δ 2	

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6617	H 2682	O. Arg. H. 13954	13 ^h 39 ^m 29 ^s	77° 27'	280° 2	18" ±	8 ... 10	1830+	H	A and B }
					317.4	50 ±	... 10	1830+	H	A and C }
6618	β 935	86 <i>Virginis</i>	39 33	-11 49	298.4	1.61	5.5...10.5	1879.37	β 5	A and B }
					274.2	1.72	11.6...12.8	1879.40	β 4	C and D }
					164.7	26.94	....	1879.33	β 2	A and C }
6619	Σ 1781	DM (5°) 2794	40 6	5 43	240.4	1.36	7.8... 8.2	1830.31	Z 3	Yel'ish wā.
6620	H 2678	....	40 8	12 54	131.1	12 ±	11 ... 13	1830+	H	
6621	H 231	....	40 24:	12 14:	75 ±	15-20	11 ... 12	1820+	H	
6622	H 4613	Corr. DM (29°) 10591	40 27	-29 46	220 ±	15 ±	9½... 9½	1834.3	H	
6623	H 2679	....	40 32	58 3	316.1	3 ±	11-12... 11-12	1830+	H	
6624	Ho 383	SD (22°) 3660	40 33	-22 53	163.7	15.45	8.1... 13	1890.38	Ho 1	
6625	β 801	L 25399	40 43	11 26	328.0	2.76	8.1... 10.9	1881.31	β 3	
6626	Σ 1783	<i>Canum Ven.</i> 202	40 56	41 38	50.4	2.10	7.8... 10.0	1832.71	Z 5	Very yel.: blue
6627	H 2685	DM (69°) 715	41 14	69 18	242.4	12 ±	10 ... 11	1830+	H	9.5 in DM
6628	H 2680	DM (46°) 1900	41 16	46 0	161.7	25 ±	9-10... 11	1830+	H	
6629	H 2681	....	41 28	33 43	84.5	6 ±	12 = 12	1830+	H	
6630	OΣ 270	τ <i>Bootis</i>	41 35	18 3	347.8	10.26	4.8... 11.4	1849.54	OΣ 5	
6631	H 1241	W ^o XIII ^h . 965	41 43	- 2 34	145 ±	15 ±	9 ... 12	1828+	H	
6632	S 654	W ^o XIII ^h . 856	41 49	39 9	237.8	70.84	8 ... 11	1825.36	S 2	
6633	Σ 1787	Redhill 2064	42 7	81 47	332.3	1.68	8.5... 10.8	1833.57	Z 3	8.5 yel.
6634	Σ 1784	DM (69°) 716	42 12	69 49	207.1	8.66	8.2... 10.5	1832.48	Z 3	
6635	β 413	Lac. 5686	42 16	-27 46	108.8	78.00	6.2... 8.5	1879.33	β 1	
6636	A 13	SD (4°) 3562	42 17	- 4 50	152.3	1.13	8.5... 9.7	1899.54	A 3	(A. N. 3635)
6637	H 2683	....	42 18	-16 9	24.8	10 ±	11 ... 11-12	1830+	H	
6638	H 2684	....	42 19	-16 12	233.3	18 ±	11 ... 11+	1830+	H	"A third n.p."
6639	H 2686	DM (7°) 2700	43 10	7 6	142.0	18 ±	9 ... 15	1830+	H	
6640	H 1242	....	43 25	6 0	125 ±	7 ±	11 ... 12	1828+	H	"Very neat"
6641	Σ 1785	DM (27°) 2296	43 38	27 35	164.4	3.49	7.2... 7.5	1830.12	Z 3	White
6642	β 802	DM (49°) 2245	43 48	48 57	223.9	3.43	7.8... 11.0	1881.33	β 3	
6643	H 4617	O. Arg. B. 13176	43 54	-29 17	255 ±	4 ±	8 ... 12	1835.2	H	
6644	H 852	....	44 21	34 35	....	8 ±	10 ... 11	1820+	H	
6645	Σ 1786	DM (35°) 2489	44 22	35 35	22.3	10.67	8.0... 9.5	1831.71	Z 3	8.0 wā.
6646	S 655	W ^o XIII ^h . 923	44 39	18 24	76.0	35.05	9 ... 11	1825.37	S 2	
6647	S 656	P XIII ^h . 220	44 40	21 51	208.2	86.03	7 ... 8	1825.20	S 2	
6648	μ VI. 15	....	45 :	21 52:	n.p.	60 ±	....	1780.48	μ 1	
6649	β 343	<i>Centauri</i> 219	45 8	-31 1	130.2	1.44	6.0... 8.5	1877.41	Cin 1	
6650	H 1243	SD (5°) 3767	45 9	- 5 27	150 ±	....	....	1828+	H	
6651	H 2689	DM (58°) 1470	45 11	58 44	310.3	20 ±	10 = 10	1830+	H	
6652	H 2687	SD (19°) 3757	45 23	-19 19	311.8	15 ±	10 = 10	1830+	H	
6653	See 189	Corr. G. C. 18843	45 26	-30 11	256.2	13.33	7.8... 12.8	1897.46	See 1	
6654	H 2688	DM (24°) 2650	45 28	24 22	269.2	12 ±	10 ... 11	1830+	H	
6655	Doo —	....	46 :	- 0 54:	72.9	9.73	6.0... 6.5	1899.39	Doo 1	
6656	β 613	DM (35°) 2494	46 3	35 16	146.2	0.78	9.0... 9.0	1878.42	β 1	A and B }
					83.4	49.21	... 8.8	1880.37	β 1	AB and C }
6657	Howe 28	B. A. C. 4631	46 32	-35 4	84.0	1.28	6.0... 6.0	1889.38	β 3	A and B }
					168.2	27.52	... 12	1889.38	β 1	A and C }
					....	54.02	....	1783.08	μ 1	A and D }
6658	A 568	A. G. Camb. 6626	46 55	26 20	320.4	2.05	9.0... 9.6	1903.32	A 3	(Bul. L. O. No. 50)
6659	See 190	Corr. 13 ^h . 2864	46 58	-29 41	222.7	7.13	7.1... 11	1897.49	See 1	A and B }
					144.1	32.03	... 13.2	1897.49	See 1	A and C }
6660	H 2690	DM (5°) 2807	47 14	5 49	103.3	23 ±	9-10... 10	1830+	H	
6661	Skinner 7	SD (14°) 3825	47 41	-14 32	294.7	2.44	8.5...	1900.28	Boe 2	
6662	H 3342	10 <i>Draconis</i>	47 56	65 19	23.0	45 ±	4 ... 16	1831+	H	
6663	β 614	L 25573	48 2	10 44	268.3	0.60	8.0... 11.7	1878.37	β 2	
6664	OΣ (App) 127	Red ^o . 3109	48 3	68 55	66.2	74.11	6.3... 8.2	1876.38	Δ 3	
6665	H 1244	W ^o XIII ^h . 1032	13 48 20	42 47	150 ±	6 ±	7-8... 17-18	1828+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
6666	H 2691	....	13 ^h 48 ^m 24 ^s	-14° 7'	109° 0	8" ±	11 ... 14-15	1830+	H	
6667	Ku 47	DM (32°) 2404	48 40	32 44	100.2	1.90	9.5... 10.2	1901.37	Ku 2	Kustner (3821)
6668	Σ 1788	P XIII ^b . 238	48 41	- 7 28	54.0	2.36	6.7... 7.9	1831.38	Σ 5	White
6669	Σ 1789	W ^a XIII ^b . 1041	48 44	33 25	326.0	6.08	8.0... 8.2	1831.32	Σ 3	Very wh.
6670	Sh 169	η Bootis	48 58	19 0	119.5	126.20	4 ... 12	1822.66	Sh 2	
6671	OΣ 272	P XIII ^b . 242	49 1	30 30	23.5	1.89	7.0... 9.9	1849.56	OΣ 4	7.2 white
6672	Ho 261	W ^a XIII ^b . 816	49 11	- 8 56	182.2	6.57	7.5... 12.0	1887.39	Ho 1	
6673	H N. 59	O. Arg. S. 13248	49 14	24 56	....	....	....	1788	H	
6674	Σ 1790	L 25620	49 52	- 4 2	240.8	5.33	8.6... 8.7	1830.07	Σ 4	White
6675	See 193	Lac. 5764	50 5	-27 4	163.7	6.72	7.9... 14.7	1897.46	See 1	
6676	OΣ 273	L 25634	50 19	5 53	106.1	0.74	7.5... 8.0	1845.99	OΣ 3	
6677	See 194	O. Arg. S. 13258	50 20	-26 56	314.1	0.58	8 ... 9	1897.46	See 1	
6678	β 461	W ^a XIII ^b . 850	50 36	3 34	334.9	33.33	7.5... 12.5	1879.38	β 1	A and B }
					216.3	40.55	... 11.8	1879.38	β 1	A and C }
6679	H 4637	SD (11°) 3640	50 45	-11 58	124.6	15 ±	9 = 9	1836.4	H	
6680	Σ 1791	DM (15°) 2646	51 1	15 1	159.8	20.46	8.7... 9.5	1829.28	Σ 3	8.7 wh.
6681	β 936	DM (35°) 2505	51 3	35 13	97.8	3.94	8.4... 12.2	1880.37	β 2	
6682	H.C. Wilson 12	SD (16°) 3770	51 10	-16 42	321.9	3.13	8.7... 9.7	1884.39	W 2	A and B }
					220.0	25 ±	9 ... 11	1830+	H	A and C }
6683	Σ 1792	DM (13°) 2731	51 12	13 2	249.9	1.91	8.9... 10.1	1825.81	Σ 4	
6684	H 223	....	51 23:	12 28:	315 ±	15-20	10 = 10	1820+	H	
6685	H 535	DM (35°) 2508	51 33	35 47	160 ±	20 ±	8 ... 12	1820+	H	(See p. 1075)
6686	H 536	....	51 42	36 19	310 ±	6 ±	11 ... 13	1820+	H	
6687	β 937	W ^a XIII ^b . 1122	51 52	35 1	104.8	0.94	8.1... 8.3	1880.37	β 3	
6688	β 344	O. Arg. S. 13285	52 22	-24 57	121.1	3.32	9.0... 9.0	1877.29	Cin 1	
6689	H 2693	O. Arg. S. 13287	52 23	-19 28	272.0	15 ±	9 ... 13	1830+	H	
6690	β 30	DM (20°) 2904	52 26	20 3	199.8	7.82	8.2... 11.5	1875.25	Δ 2	
6691	H 2694	O. Arg. N. 14115	52 31	54 29	84.4	35 ±	8 ... 11	1830+	H	(See p. 1075)
6692	H 4639	Cord. DM (28°) 10364	53 31	-28 41	342.4	6 ±	9½ ... 10	1834.3	H	
6693	Σ 1793	Bootis 51	53 35	26 24	242.3	4.39	7.0... 8.0	1831.08	Σ 3	Wh.: bluish
6694	H 2695	DM (58°) 1479	53 43	58 2	204.0	7 ±	9 ... 11-12	1830+	H	"Neat"
6695	Σ 1794	DM (20°) 2907	54 8	20 28	129.8	2.05	8.5... 8.7	1830.65	Σ 3	Yel'sh
6696	Σ 1795	P XIII ^b . 277	54 31	53 41	3.2	7.61	7.0... 10.2	1832.13	Σ 3	7.0 very wh.
6697	H 4640	L 25730	54 50	- 9 48	134.3	4 ±	9 = 9	1836.4	H	
6698	H 2696	SD (13°) 3806	54 53	-13 34	108.0	15 ±	9-10... 12	1830+	H	
6699	Σ 1796	DM (37°) 2483	55 16	37 33	196.2	2.45	8.5... 10.0	1832.33	Σ 3	
6700	Σ 1798	O. Arg. N. 14191	55 17	78 59	16.3	7.13	7.5... 9.3	1832.48	Σ 3	7.5 yel'sh wh.
6701	Sh 171	τ Virginis	55 33	2 8	290.0	79.29	4 ... 9	1823.27	Sh 1	
6702	A 569	A. G. Camb. 6688	55 41	25 56	103.1	0.50	9.0... 9.3	1903.41	A 3	(Bul. L. O. No. 50)
6703	β 1197	Lac. 5791	56 4	-31 6	178.9	0.86	6.8... 8.1	1890.41	β 3	
6704	H 2697	....	56 14	46 59	290.8	30 ±	9 ... 10-11	1830+	H	
6705	Σ 1797	DM (20°) 2911	56 18	20 1	160.0	21.13	8.2... 8.5	1828.30	Σ 2	White
6706	H 2698	SD (17°) 3989	57 2	-17 51	281.8	20 ±	9-10... 14-15	1830+	H	
6707	H 2699	DM (12°) 2648	57 12	12 29	38.8	12 ±	8 ... 15	1830+	H	
6708	Howe 29	DM (6°) 2824	57 22	6 32	67.0	1 ±	8.5...	1879.37	Cin 1	A and B }
					193.2	14.11	... 11.0	1879.38	Cin 2	A and C }
6709	A. G. 192	A. G. Alb. 4860	57 39	3 17	186.8	1.82	9.0... 10.0	1902.75	Cg 3	
6710	Swift	DM (47°) 2112	57 40	46 55	6.7	2.44	9.0... 9.0	1889.39	β 2	
6711	β 1270	L 25825	57 46	9 4	329.7	0.27	8.2... 8.3	1892.27	β 3	
6712	Σ 1800 rej.	DM (57°) 1478	57 57	57 48	21.0	25 ±	9 ... 10-11	1830+	H	(See p. 1075) H (V). 7.6 in DM
6713	Σ 1799	W ^a XIII ^b . 1000	58 32	- 5 59	293.0	4.03	8.0... 9.2	1830.66	Σ 3	Wh.: bluish
6714	S 659	SD (17°) 4002	59 3	-17 30	169.4	32.03	9 ... 11-12	1825.44	S 3	
6715	Hu 646	DM (35°) 2521	59 21	35 0	24.8	1.94	7.4... 14.0	1903.75	Hu 2	
6716	Σ 1801	DM (6°) 2833	59 27	6 32	64.5	18.44	9.0... 10.5	1828.33	Σ 3	
6717	β 938	O. Arg. S. 13375	59 29	-26 0	297.6	0.89	7.5... 7.5	1879.39	β 2	
6718	Howe 30	SD (12°) 3958	13 59 30	-12 30	6.4	13.41	8.0... 9.0	1879.30	Cin 2	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
6719	H 4650	Cord. DM (28°) 10443	14 ^h 0 ^m 5 ^s	-28° 37'	62° 4	10" ±	8½... 11	1834.3	H	A and B } A and C } A and D }
					34.0	25 ±	... 11.0	1884.31	W 1	
					319.6	40 ±	... 11.0	1884.31	W 1	
6720	H 1245	....	0 18	-16 35	260?	12 ±	12 ... 13	1828+	H	
6721	H 2700	W ⁺ XIII ^b . 1317	0 48	40 33	217.0	18 ±	8 ... 13	1830+	H	
6722	See 197	Cord. 14 ^h . 52	1 2	-26 46	36.0	0.26	8.8... 8.8	1897.46	See 1	
6723	Σ 1803	DM (39°) 2720	1 24	38 59	43.3	17.77	7.7... 9.5	1831.46	Σ 2	7.7 white
6724	OS 274	L 25926	1 31	35 21	71.2	14.80	7.0... 10.0	1845.67	OS 3	
6725	Σ 1802	W ⁺ XIII ^b . 1060	1 35	-12 21	285.5	4.22	8.0... 9.3	1830.63	Σ 3	Yel'sh: ashy
6726	H 1246	W ⁺ XIII ^b . 1078	2 8	0 47	100 ±	20 ±	9 ... 12	1828+	H	
6727	Hu 16	L 25923	2 9	-2 58	218.3	3.09	8.4... 8.6	1881.44	β 3	
6728	A 346	A. G. Camb. 6723	2 20	25 18	337.4	0.62	8.6... 9.6	1902.56	A 2	(Bul. L. O. No. 29)
6729	Σ 1804	Bootis 76	2 39	21 46	18.3	4.37	8.0... 9.0	1829.62	Σ 3	White: blue
6730	H 2701	DM (6°) 2840	2 39	6 36	....	15 ±	9 ... 10	1830+	H	
6731	OS 276	L 25959	3 6	37 19	196.1	0.58	7.5... 8.3	1845.65	OS 3	A and B } AB and C }
					73.4	9.50	... 10.0	1846.33	OS 2	
6732	OS 275	L 25946	3 14	7 57	351.2	5.02	6.8... 10.3	1845.99	OS 3	7.0 yel'sh
6733	β 1109	DM (5°) 2846	3 18	5 14	321.9	1.78	9.0... 13.7	1889.39	β 3	A and B } A and C }
					356.3	53.04	... 9.0	1889.39	β 3	
6734	See 199	Lac. 5838	3 26	-29 31	226.0	8.43	7.4... 13.8	1897.42	See 2	
6735	Hu 742	DM (34°) 2494	3 32	34 15	174.7	0.37	8.5... 12.0	1904.35	Hu 1	
6736	H VI. 112	13 Bootis	3 48	50 1	82.6	77.97	....	1783.63	H 1	
6737	Σ 1805	W ⁺ XIV ^b . 28	3 55	4 35	30.5	4.54	8.4... 8.5	1832.38	Σ 4	White
6738	Σ 1806	DM (49°) 2274	4 13	49 4	173.5	13.19	9.0... 10.0	1831.76	Σ 3	
6739	Σ 1809	DM (46°) 1935	4 14	46 42	196.7	4.14	8.5... 11.7	1832.14	Σ 3	
6740	Hu 17	DM (-1°) 2914	4 16	-2 7	243.6	4.33	8.8... 9.5	1881.37	β 3	
6741	H 539	DM (34°) 2498	4 17	34 47	360 ±	20 ±	10 ... 10+	1820+	H	
6742	Skinner 8	SD (14°) 3891	4 19	-14 14	325.5	13.17	9.0...	1900.39	Boe 2	Boeger (A. J. 522)
6743	See 200	Lac. 5842	4 22	-29 13	97.8	9.27	7.2... 12.3	1897.53	See 1	
6744	H 540	W ⁺ XIV ^b . 52	4 26	36 23	220 ±	6 ±	10 ... 10+	1820+	H	
6745	H 2703	DM (71°) 677	4 26	71 31	42.6	6 ±	9-10... 10	1830+	H	
6746	Σ 1808	W ⁺ XIV ^b . 60	4 44	27 10	68.8	2.82	8.0... 9.0	1832.31	Σ 3	White
6747	β 803	L 25991	4 46	-2 6	227.9	5.27	7.8... 12.0	1881.45	β 1	
6748	Σ 1807	SD (2°) 3800	5 6	-2 46	25.8	7.08	7.5... 8.0	1831.01	Σ 3	Yel'sh wh.
6749	H 4661	O. Arg. B. 13452	5 8	-28 20	49.0	2 ±	10 = 10	1834.3	H	
6750	H 2702	....	5 32	-17 11	337.0	6 ±	11 ... 13	1830+	H	
6751	H 1247	....	5 50	41 41	120?	4 ±	10 ... 11	1828+	H	"? estimated pos."
6752	Σ 1810	DM (28°) 2297	6 11	28 36	173.8	1.81	8.4... 9.0	1832.40	Σ 4	White (See p. 1075)
6753	H 3343	B. A. C. 4713	6 12	2 58	213.7	40 ±	6 ... 12	1831+	H	
6754	Σ 1814	O. Arg. B. 14363	6 39	50 49	256.2	11.03	8.5... 9.0	1831.54	Σ 2	White
6755	H 234	....	6 39	14 8	339.6	3 ±	11 ... 12	1820+	H	From H(V)
6756	H 541	....	6 39	-10 22	315 ±	....	....	1820+	H	
6757	Hu 474	SD (17°) 4033	6 57	-17 45	18.0	0.34	9.4... 9.4	1902.41	Hu 3	(Bul. L. O. No. 21)
6758	OS 277	L 26063	7 6	29 17	333.7	0.42	7.8... 8.0	1845.85	OS 4	A and B } AB and C }
					108.2	14.19	... 9.3	1832.37	Σ 3	(AC = 1812)
6759	Σ 1811 rej.	SD (8°) 3724	7 7	-8 26	320 ±	30 ±	8.5... 10	1831+	H	
6760	H 542	....	7 16	37 20	55 ±	12 ±	12 = 12	1820+	H	
6761	Ho 57	L 26079	7 21	42 59	206.8	1.83	8.0... 13	1883.49	Ho 2	
6762	Σ 1813	L 26057	7 24	5 58	191.0	4.76	8.0... 8.1	1829.81	Σ 4	White
6763	OS 280	O. Arg. B. 14377	7 25	60 58	20.5	7.20	7.0... 11.2	1848.61	OS 3	7.0 golden
6764	OS 278	Radi. 3155	7 31	44 45	146.0	0.41	7.5... 7.7	1846.03	OS 3	White
6765	H 4664	O. Arg. B. 13477	7 34	-28 41	18 ±	20 ±	9½... 9½	1834.3	H	
6766	β 224	W ⁺ XIV ^b . 95	7 38	13 8	71.0	0.71	8.9... 9.3	1875.64	β 3	(See p. 1075)
6767	H 2704	DM (32°) 2445	7 45	32 9	346.8	20 ±	9 ... 13	1830+	H	8.4 m. in DM
6768	β 939	L 26065	14 7 48	-7 57	156.1	0.65	8.0... 8.1	1879.92	β 2	A and B }
					280.9	87.25	... 9.0	1879.37	β 1	AB and C }

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
6769	Σ 1815	O. Arg. N. 14379	14 ^h 7 ^m 56 ^s	45° 46'	153° 0	8'.84	8.5... 9.7	1831.54	Σ 2	
6770	OΣ 279	P XIV ^h . 20	8 0	12 34	248.4	2.28	6.8... 9.0	1845.68	OΣ 3	6.8 <i>yel.</i>
6771	Σ 1822 <i>rej.</i>	DM (73°) 619	8 13	73 24	....	Cl. IV	8 ... 10	....	Σ	
6772	Σ 1816	B. A. C. 4723	8 36	29 40	80.1	1.87	7.0... 7.1	1831.33	Σ 5	<i>Yel'sh</i>
6773	Σ 1817	<i>Bootis</i> 107	8 49	27 15	7.0	1.55	8.0... 8.6	1832.16	Σ 5	<i>White</i>
6774	Ho 58	W ² XIV ^h . 162	8 56	41 45	226.5	3.82	7.5... 11.7	1884.12	Ho 3	
6775	H 543	....	9 4	34 45	230 ±	4 ±	13 ... 13	1820 +	H	
6776	Σ 1820	DM (56°) 1718	9 5	55 53	46.7	2.40	8.2... 8.5	1831.95	Σ 3	<i>Yel'sh</i>
6777	Σ 1818	DM (34°) 2507	9 8	34 29	327.1	5.48	8.2... 9.7	1832.03	Σ 3	8.2 <i>yel'sh wh.</i>
6778	Σ 1821	κ <i>Bootis</i>	9 11	52 21	237.7	12.60	5.1... 7.2	1832.50	Σ 7	<i>Greenish: bluish</i>
6779	H 2706	DM (77°) 530	9 16	77 49	67.5	5 ±	10-11... 11-12	1830 +	H	
6780	Σ 1819	W ² XIV ^h . 125	9 18	3 41	84.9	0.98	7.9... 8.0	1830.39	Σ 4	<i>Yel'sh</i>
6781	Hu 138	SD (6°) 3957	9 41	- 6 30	58.6	0.49	8.7... 8.8	1900.31	Hu 3	(A. J. 485)
6782	See 202	Cord. G. C. 19325	9 50	-29 25	109.1	0.91	7.8... 8.4	1897.46	See 1	
6783	Σ 1823	W ² XIV ^h . 137	9 57	10 52	156.1	3.35	8.5... 9.5	1830.00	Σ 3	<i>White</i>
6784	H 1248	....	9 58	7 54	340 ±	2 ±	16 ... 16-17	1828 +	H	
6785	Σ 1824	DM (6°) 2863	10 21	6 38	282.6	5.32	8.0... 10.0	1829.98	Σ 3	8.0 <i>white</i>
6786	H N. 1	....	10 22	2 19	....	III-IV	....	1784	H	
6787	H 1249	O. Arg. S. 13508	10 25	-15 53	155 ±	5 ±	9 ... 12	1828 +	H	
6788	Σ 1827	O. Arg. N. 14419	10 32	59 48	210.9	11.16	8.5... 9.0	1833.03	Σ 2	<i>White</i>
6789	Σ 1826	O. Arg. N. 14418	10 39	47 32	315.1	4.43	8.2... 9.2	1832.11	Σ 3	8.2 <i>wh.</i>
6790	Howe 31	Cord. DM (27°) 9732	10 39	-27 16	74.6	6.26	8.5... 8.5	1877.38	Cin 1	
6791	Howe 32	DM (24°) 2709	10 45	23 55	193.7	5.42	8.5... 10.5	1879.35	Cin 1	
6792	Hu 139	SD (10°) 3865	10 46	-11 6	119.1	0.90	9.2... 9.4	1900.34	Hu 3	(A. J. 485)
6793	Hu 475	SD (17°) 4057	10 47	-17 12	123.8	4.45	8.8... 12.8	1902.41	Hu 3	(Bul. L. O. No. 21)
6794	H 1250	DM (1°) 2908	10 59	1 37	12 ±	15 ±	9-10... 10	1828 +	H	
6795	Σ 1825	<i>Bootis</i> 121	10 59	20 41	185.7	3.45	6.8... 8.5	1830.66	Σ 3	6.8 <i>wh.</i>
6796	....	DM (24°) 2711	11 6	24 2	78.9	3.41	8.5... 10.0	1902.18	β 2	
6797	Σ 1829	DM (51°) 1903	11 6	51 0	150.3	5.30	7.7... 8.2	1831.11	Σ 3	<i>White</i>
6798	Howe 33	O. Arg. S. 13520	11 18	-26 58	120.0	3.20	8.0... 8.0	1877.24	Cin 2	
6799	Σ 1828	W ² XIV ^h . 216	11 30	24 45	160.1	1.94	9.2... 9.2	1833.12	Σ 3	(See p. 1076)
6800	H 4670	Cord. DM (25°) 10264	11 31	-25 39	26.6	12 ±	9 ... 12	1834 +	H	8.6 in Cord. DM
6801	Σ 1830	DM (57°) 1496	11 52	57 13	264.0	4.84	8.5... 9.8	1830.89	Σ 3	8.5 <i>yel'sh</i>
6802	Σ 26, App. I	<i>Bootis</i>	11 56	51 55	33.2	38.05	4.9... 7.5	1836.22	Σ 4	<i>Yel'sh wh.: wh.</i>
6803	β 1246	B. A. C. 4740	12 12	-25 16	187.1	2.99	5.5... 13.3	1891.43	β 3	A and B }
					88.8	36.35	... 11.0	1891.42	β 1	A and C }
6804	Σ 1831	O. Arg. N. 14439	12 17	57 16	142.8	6.01	6.3... 9.0	1830.89	Σ 3	<i>Very wh.: ash</i>
6805	β 1110	Cord. G. C. 19369	12 29	-36 18	130.7	3.95	7.0... 12.3	1889.39	β 3	
6806	H 2707	....	12 40	-12 52	139.4	5 ±	13 ... 13	1830 +	H	"Near λ Virginis"
6807	A 147	A. G. Harvard 4486	12 46	51 33	106.6	0.48	8.5... 9.8	1901.32	A 3	
6808	Hu 18	L 26172	12 48	-17 58	357.9	3.58	7.6... 11.0	1881.38	β 3	
6809	H 544	DM (29°) 2523	12 49	28 56	320 ±	4 ±	10 ... 12	1820 +	H	
6810	Σ 1832	DM (4°) 2848	12 51	4 27	118.3	0.44	9.0... 9.0	1830.28	Σ 3	A and B }
					65.5	12 ±	... (14)	1828 +	H	AB and C }
6811	β 116	L 26177	13 3	-13 9	279.0	2.90	7.7... 8.2	1875.69	β 3	
6812	β 1271	Rad ^r . 3181	13 4	55 6	355.2	2.81	6.8... 12.0	1892.36	β 3	
6813	β 1272	O. Arg. N. 14451	13 22	49 18	132.5	1.25	8.4... 9.5	1892.17	β 4	A and B }
					321.8	23.67	... 8.6	1892.17	β 4	A and C }
6814	H 545	....	13 35	39 11	60 ±	3 ±	12 ... 12	1820 +	H	"Very delicate"
6815	H 2708	DM (24°) 2717	13 37	24 39	316.7	12 ±	10 = 10	1830 +	H	
6816	H 2709	....	13 40	32 54	99.8	12 ±	10 ... 13	1830 +	H	"The last of three"
6817	β 1273	O. Arg. N. 14457	14 2	48 28	193.0	1.08	8.6... 9.8	1892.17	β 3	
6818	Σ 3083	DM (24°) 2719	14 12	24 4	230.3	4.55	8.3... 11.0	1832.73	Σ 3	8.3 <i>wh.</i>
6819	H 1252	W ² XIV ^h . 226	14 22	8 50	267 ±	6 ±	9 ... 15	1828 +	H	
6820	OΣ 281	W ² XIV ^h . 228	14 26	9 8	161.5	1.25	7.3... 10.8	1847.72	OΣ 3	
6821	A. G. 193	DM (43°) 2400	14 14 29	42 56	128.9	8.00	9.2... 9.4	1900.42	Es 2	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
6822	A. G. 194	DM (23°) 2682	14 ^h 14 ^m 38 ^s	23° 36'	....	....	9.0...	....	....
6823	H 546	....	14 40:	-11 42:	40° ±	....	5-6...	1820+	H	
6824	H 541	DM (12°) 2683	14 51	12 43	87.0	1.91	9.3...10.2	1896.38	Ho 2	(A. N. 3557)
6825	H 1253	....	15 25	0 23	300 ±	7 ±	11 ...12	1828+	H	
6826	H 4674	SD (13°) 3882	15 26	-13 12	272 ±	18 ±	9 ... 9½	1836.4	H	
6827	H 235	....	15 33:	14 8:	280 ±	5 ±	11 ...13	1820+	H	
6828	Ho 384	L 26242	15 42	-7 32	49.8	25.88	6.5...12	1891.39	Ho 1	
6829	Σ 1836 <i>rej.</i>	DM (69°) 742	15 45	69 52	113.7	20 ±	9-10 = 9-10	1830+	H	Measures from H (V) (See p. 1076)
6830	H 547	DM (35°) 2550	15 50	35 32	285 ±	18-20	9 ...11	1820+	H	
6831	H 2711	SD (22°) 3779	15 53	-22 32	133.8	12 ±	9 ...12	1830+	H	
6832	Σ 1834	DM (49°) 2294	15 54	49 3	113.7	1.36	7.1... 7.2	1831.20	Σ 4	
6833	H III. 20	....	16 ±	12 11 ±	329.5	7.60	....	1782.30	H 1	
6834	H 2712	....	16 2	54 32	302.6	20 ±	10-11...11-12	1830+	H	"Taken by mistake for Σ 1839"
6836	Espin 19	DM (52°) 1792	16 15	52 13	47.3	1.71	9.0...10.3	1902.18	β 2	A and B }
					170.3	40.84	... 9.0	1902.18	β 2	A and C }
6837	Σ 1833	P XIV ^b . 62	16 18	-7 13	166.7	4.92	7.0... 7.0	1832.35	Σ 3	White
6838	H 236	....	16 46:	12 33:	280 ±	15 ±	12 ...13	1820+	H	
6839	H 2713	SD (16°) 3858	17 16	-16 13	203.1	6 ±	9-10...15	1830+	H	
6840	H 2714	L 26283	17 18	-19 15	266.4	12 ±	7-8...15	1830+	H	
6841	Σ 1839	O. Arg. N. 14504	17 26	54 28	261.9	14.42	8.3... 8.3	1831.49	Σ 3	Very wk.
6842	β 1111	P XIV ^b . 69	17 29	9 0	135.3	0.19	8.4... 8.4	1889.40	β 3	B and C }
					186.5	6.06	5.5... 6.8	1832.08	Σ 3	AB and C } AC= Σ 1835
6843	Ho 262	L 26310	17 30	33 3	276.6	5.54	7.0...13.0	1886.97	Ho 2	
6844	Σ 1840	O. Arg. N. 14515	17 33	68 20	222.4	27.39	6.5... 9.2	1831.66	Σ 2	6.5 very wk.
6845	A 148	A. G. Harvard 4506	17 47	51 39	347.8	0.30	8.5... 8.5	1901.32	A 3	
6846	β 615	O. Arg. N. 14509	17 52	49 4	237.1	2.35	8.5... 9.5	1878.30	β 1	
6847	H 548	....	17 59	36 48	....	....	....	1820+	H	
6848	H 2715	....	18 4	26 56	358.0	4 ±	11 ...12	1830+	H	"Neat"
6849	Σ 1844	DM (77°) 536	18 9	77 21	215.8	1.61	8.9...10.4	1832.61	Σ 4	
6850	H 2717	....	18 13	55 25	297.3	5 ±	11 ...12	1830+	H	
6851	Σ 1837	P XIV ^b . 70	18 14	-11 7	326.9	1.41	7.1...8.7	1829.83	Σ 4	7.1 wk.
6852	Σ 1838	DM (11°) 2673	18 14	11 47	334.4	8.86	7.2... 7.3	1832.23	Σ 7	White
6853	O. Stone 31	Yar. 5948	18 15	-27 35	275.6	0.8 ±	8.0... 9.2	1880.38	Cin 1	
6854	H 2716	DM (47°) 2137	18 22	46 55	266.0	3 ±	11 = 11	1830+	H	
6855	H 549	DM (30°) 2514	18 44	30 32	145 ±	20-30	8-9...10	1820+	H	
6856	Σ 3084 <i>rej.</i>	DM (62°) 1345	18 45	62 49	....	Cl. IV	9 ...11	....	Σ	
6857	β 225	L 26320	18 48	-19 26	295.8	35.12	7 ... 7	1822.60	Sh 3	A and B }
					101.9	1.40	7.3... 8.2	1875.71	Δ 3	B and C }
6858	H 546	B. A. C. 4777	18 48	-12 49	40 ±	30 ±	6-7...11	1820+	H	
6859	Σ 1841 <i>rej.</i>	O. Arg. N. 14536	18 48	68 21	....	Cl. IV	6-7...10	....	Σ	
6860	A 149	A. G. Bonn 9419	18 54	48 9	154.4	0.66	8.9... 9.2	1901.30	A 3	A and B }
					29.8	15.66	...13.0	1901.31	A 2	AB and C }
6861	H 4678	....	19 6	-23 53	319.9	3 ±	11½...13	1834+	H	
6862	H 4679	L 26327	19 10	-21 35	313 ±	20 ±	8 ... 9	1836.2	H	
6863	Cordoba	L 26334	19 28	-23 40	132.5	2.34	8.3... 8.6	1903.93	β 2	
6864	H 2720	O. Arg. N. 14535	19 30	47 1	31.3	18 ±	9 ...13	1830+	H	
6865	Σ 1851	DM (80°) 436	19 34	80 23	332.4	10.28	8.5...11.0	1832.55	Σ 2	8.5 <i>yel'sh</i> wk.
6866	H 2718	Cord. DM (23°) 11714	19 51	-23 35	203.5	20 ±	9-10...10	1830+	H	
6867	H VI. 52	....	20 ±	20°..28°	....	60 ±	....	1781.62	H 1	"Unidentifiable"
6868	OΣ 282 <i>rej.</i>	L 26366	20 5	7 46	212.8	22.52	7.5...11.3	1843.38	Ma 2	7.5 <i>yel.</i>
6869	....	DM (24°) 2733	20 11	24 12	74.7	45.21	9.0...	1903.02	β 4	A and B }
					120.6	182.55	....	1903.02	β 4	A and C }
					294.2	284.74	....	1903.01	β 2	A and D }
					245.4	154.52	...11.7	1903.01	β 2	A and δ }
6870	Σ 1843	O. Arg. N. 14548	14 20 15	48 23	188.1	20.15	7.2... 8.7	1830.60	Σ 2	White

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
6871	H 2721	L 26378	14 ^h 20 ^m 16 ^s	22° 50'	141° 9	60" ±	8 ... 9	1830+	H	
6872	Σ 1849	DM (77°) 540	20 18	77 15	1.2	1.46	8.5... 9.0	1832.61	Σ 4	
6873	H 1254	....	20 30	2 40	65 ±	5 ±	10 ... 10+	1828+	H	"Neat"
6874	Σ 1845 <i>rej.</i>	DM (62°) 1349	20 31	62 29	....	Cl. IV	8 ... 10	....	Σ	From <i>Cat. Nov.</i>
6875	Σ 1842	DM (4°) 2864	20 57	4 14	10.9	2.84	8.7... 8.7	1828.86	Σ 4	<i>White</i> (See p. 1076)
6876	β 940	52 <i>Hydrae</i>	21 9	-28 57	276.8	4.00	5.0... 11.3	1879.42	β 3	
6877	Ho 386	SD (22°) 3793	21 34	-22 28	326.6	3.76	7.8... 12	1893.34	Ho 1	
6878	H 550	DM (35°) 2560	21 58	35 49	295 ±	2 ±	9 = 9	1820+	H	
6879	Ho 542	DM (21°) 2655	21 59	21 9	273.6	0.49	8.8... 8.8	1896.36	Ho 2	
6880	Σ 1846	φ <i>Virginis</i>	22 2	- 1 41	108.8	3.73	5.2... 9.7	1829.74	Σ 5	5.2 <i>yel.</i>
6881	Σ 1847	W ¹ XIV ^h . 379	22 14	- 9 40	248.4	18.73	8.5... 9.8	1829.81	Σ 4	
6882	Ho 543	DM (22°) 2706	22 21	21 56	234.7	4.23	8.5... 8.5	1896.30	Ho 2	(<i>A. N.</i> 3557)
6883	Σ 1848	DM (33°) 2466	22 39	33 29	3.4	3.03	8.2... 11.2	1832.12	Σ 3	
6884	Cordoba	Cord. G. C. 19614	22 46	-25 0	58.0	13.01	7 ... 9.8	1897.52	See 1	
6885	H 551	....	22 49	20 22	75 ±	5 ±	11 ... 12	1820+	H	
6886	Egbert 3	W ¹ XIV ^h . 388	22 58	-14 29	198.7	3.70	8.6... 9.4	1880.33	Cin 5	
6887	Σ 1850	DM (28°) 2332	23 16	28 50	262.2	25.69	6.1... 6.7	1832.00	Σ 4	<i>Very wh.</i>
6888	H 237	....	23 40:	11 12:	40 ±	15 ±	11 ... 12	1820+	H	
6889	Σ 1852 <i>rej.</i>	B. A. C. 4799	23 45	- 3 43	268.1	25.16	6.9... 10.0	1879.30	β 3	
6890	β 462	SD (3°) 3635	23 46	- 3 11	324.4	2.01	9.5... 9.7	1877.48	A 2	A and B }
					65.4	14.81	... 12.0	1880.32	β 1	A and C }
6891	Ho 544	DM (30°) 2528	23 52	30 5	233.3	13.66	8.5... 13	1896.37	Ho 3	(<i>A. N.</i> 3557)
6892	H 5485	....	24 :	2 25:	172 ±	....	11 = 11	1823+	H	"Place precarious"
6893	Σ 1853	W ¹ XIV ^h . 413	24 8	6 49	86.4	2.73	8.7... 9.3	1830.01	Σ 3	
6894	Σ 1887	Redhill 2184	24 9	87 58	240.2	3.22	8.2... 10.5	1832.37	Σ 3	8.2 <i>yel'sh wh.</i>
6895	Σ 1854 <i>rej.</i>	P XIV ^h . 103	24 41	32 20	257.3	26.34	6.5... 9.0	1879.35	Cin 1	
6896	β 117	L 26481	24 43	-15 4	95.8	2.44	8.3... 9.2	1876.64	A 3	
6897	H 552	....	24 43:	-12 16:	330 ±	12 ±	9 = 9	1820+	H	
6898	H 2725	DM (55°) 1686	24 52	55 3	152.3	15 ±	9 ... 11	1830+	H	
6899	H 2727	DM (70°) 787	24 52	70 51	21.5	25 ±	9 ... 10	1830+	H	A and B }
					177.9	10 ±	... 11	1830+	H	B and C }
6900	Cordoba	Cord. G. C. 19678	25 8	-27 30	181.2	14.82	8 ... 10.9	1897.46	See 1	
6901	H 2724	....	25 9	20 24	321.9	17 ±	11 = 11	1830+	H	
6902	H 238	....	25 13:	14 16:	105 ±	20 ±	10 ... 11	1820+	H	
					105 ±	35 ±	... 11	1820+	H	
6903	H 2723	Cord. DM (23°) 11775	25 24	-23 30	136.3	25 ±	9 ... 10-11	1830+	H	
6904	A. G. 195	A. G. Alb. 4980	25 39	2 22	160.1	1.62	9.1... 9.3	1902.72	M 3	
6905	β 1112	Lac. 5983	26 3	-30 11	7.6	2.44	6.3... 11.1	1889.41	β 6	
6906	Hu 140	SD (12°) 4079	26 3	-12 28	182.4	1.16	8.5... 8.9	1900.42	Hu 4	(<i>A. J.</i> 485)
6907	Glasenapp 3	SD (12°) 4080	26 10	-12 14	314.6	68.49	9.2... 9.5	1890.44	Gla 2	
6908	H 2729	DM (56°) 1742	26 12	56 38	60.3	25 ±	9 ... 10	1830+	H	
6909	Σ 3086	DM (17°) 2752	26 41	17 50	270.9	5.74	9.0... 10.0	1830.96	Σ 3	
6910	H 2728	ρ <i>Bootis</i>	26 42	30 54	333.5	60 ±	4 ... 16	1830+	H	
6911	H 2726	SD (18°) 3848	26 47	-18 29	151.2	12 ±	10 ... 11	1830+	H	
6912	β 238	L 26529	27 1	-20 30	90.3	6.96	8.0... 10.2	1877.39	Cin 2	
6913	A 570	A. G. Camb. 6873	27 2	27 13	198.6	0.20	6.3... 6.5	1903.40	A 4	(<i>Bul. L. O. No.</i> 50)
6914	Σ 1855	W ¹ XIV ^h . 556	27 14	32 10	248.6	15.30	8.2... 9.1	1831.95	Σ 4	<i>White</i> (See p. 1076)
6915	β 616	γ <i>Bootis</i>	27 15	38 50	98.6	26.18	2.8... 12.5	1878.25	β 2	
6916	Ho 387	W ¹ XIV ^h . 552	27 21	20 41	241.4	9.22	8.7... 11.5	1892.43	Ho 2	
6917	H 554	DM (35°) 2576	27 31	35 14	295 ±	5 ±	9 = 9	1820+	H	A and B }
					330 ±	12 ±	... 12	1820+	H	A and C }
6918	H 2730	....	27 41	25 56	306.0	18 ±	10 ... 11	1830+	H	
6919	H 2733	5 <i>Ursae Minoris</i>	27 42	76 14	131.1	70 ±	4 ... 14	1830+	H	
6920	Σ 1859 <i>rej.</i>	DM (73°) 631	27 44	73 35	....	Cl. IV	8 ... 10	....	Σ	From <i>Cat. Nov.</i>
6921	H 853	....	28 2	- 9 14	125 ±	5 ±	11 ... 12	1820+	H	(See p. 1076)
6922	H 1255	W ¹ XIV ^h . 576	14 28 13	41 58	290 ±	25 ±	8 ... 9	1828+	H	

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
6923	Hu 57	Rad ¹ . 3220	14 ^h 28 ^m 17 ^s	49° 43'	134° 6'	4.93	7.3...11.2	1848.14	OZ 3	A and BC } AB=
					138.5	1.27	11.5...12.0	1898.35	Hu 2	B and C } OZ 283
6924	H 2732	O. Arg. N. 14655	28 19	45 37	314.4	9±	9-10...17	1830+	H	
6925	H 239	....	28 36:	14 45:	120±	15±	10 ...11	1820+	H	
6926	Z 1858	W ¹ XIV ^b . 583	28 41	36 7	35.2	2.20	7.2... 8.0	1831.84	Z 3	White
6927	A. G. Clark 6	DM (30°) 2534	28 45	30 21	139.8	0.75	9.5...10.0	1877.04	A 2	
6928	Z 1857 <i>rej.</i>	DM (10°) 2706	28 50	10 42	....	III-IV	8-9...11	....	Z	
6929	OZ (App) 129	W ¹ XIV ^b . 584	28 57	24 55	67.9	78.67	7.2... 7.3	1874.34	A 3	
6930	H 1256	....	29 39	0 18	240±	5±	10 ...10+	1828+	H	"Neat star"
6931	β 941	L 26605	29 40	0 46	218.3	0.80	8.2... 8.2	1879.28	β 1	
6932	Ma 6	....	29 47:	6 51:	196.1	19.29	7.5...10	1843.33	Ma 1	
6933	Hu 574	DM (19°) 2827	29 54	19 48	102.5	0.29	8.5... 8.8	1902.52	Hu 4	(Bul. L. O. No. 27)
6934	Z 1860	DM (55°) 1695	30 8	55 46	101.2	1.25	7.5... 8.7	1830.91	Z 3	Very wh.: ash wh.
6935	Wash. Zones	O. Arg. S. 13760	30 24	-29 10	111.3	20.12	8.0... 8.8	1880.35	Cin 2	From Cin 6
6936	Z 3087	W ¹ XIV ^b . 621	30 42	19 56	49.2	1.65	9.5... 9.5	1833.05	Z 3	
6937	Z 1861	DM (12°) 2717	30 56	12 42	175.5	14.01	8.7... 9.2	1828.94	Z 3	
6938	H 2734	SD (19°) 3918	31 25	-19 8	216.4	12±	9-10...10	1830+	H	
6939	β 804	W ¹ XIV ^b . 558	31 42	- 8 9	166.2	1.40	8.1...10.7	1881.46	β 2	
6940	H 2735	SD (16°) 3906	31 48	-16 21	66.0	25±	9-10...12	1830+	H	
6941	β 226	L 26665	32 5	-21 49	82.7	0.95	7.8... 8.0	1879.44	β 1	
6942	H 2738	DM (77°) 548	32 6	77 6	270.0	10±	9 ...12	1830+	H	(See p. 1076)
6943	Z 1862	DM (15°) 2735	32 8	15 25	126.3	14.48	8.5... 9.7	1828.62	Z 3	
6944	A 347	A. G. Bonn 9531	32 41	48 44	72.9	0.34	8.0... 8.5	1902.66	A 2	(Bul. L. O. No. 29)
6945	β 805	O. Arg. S. 13799	32 58	-26 37	135.4	24.12	7.2...13	1881.41	β 2	A and B }
					42.0	123.98	... 9.2	1881.42	β 3	A and C }
					239.7	1.99	...11.7	1881.44	β 3	C and D }
6946	β 806	O. Arg. S. 13813	33 27	-25 44	96.3	0.67	7.3... 9.3	1890.39	β 3	A and B }
					347.8	1.22	8.5... 9.6	1881.44	β 3	C and D }
					67.4	71.50	....	1881.42	β 3	A and C }
					329.6	17.78	...13.5	1890.38	β 2	A and s }
6947	H 2737	....	33 49	20 31	12.0	4±	11 = 11	1830+	H	"Between two neb."
6948	Z 1863	DM (52°) 1816	34 1	52 6	109.7	0.65	7.1... 7.4	1830.14	Z 4	Yel'sh wh.
6949	A 571	A. G. Camb. 6923	34 3	27 20	100.1	1.58	8.0...12.4	1903.46	A 4	(Bul. L. O. No. 30)
6950	Howe 34	DM (12°) 2723	34 32	12 37	13.5	2.48	8.7... 9.2	1879.35	Cin 2	
6951	β 345	Lac. 6051	34 40	-29 11	128.2	0.88	7.0... 7.3	1877.41	Cin 1	
6952	β 414	Centauri 315	34 42	-30 25	345.6	1.01	6.5... 7.9	1889.43	β 3	
6953	H 1257	....	35 0	4 3	225±	12±	10 ...11	1828+	H	
6954	Z 1864	π Bootis	35 5	16 56	99.2	5.83	4.9... 6.0	1830.32	Z 9	Very wh.
6955	Z 1865	ζ Bootis	35 25	14 15	309.2	1.19	3.5... 3.9	1830.47	Z 11	White
6956	H 555	DM (34°) 2549	35 35	34 25	140±	9±	10 ...10+	1820+	H	
6957	Hd Zones	DM (1°) 2964	35 38	0 54	....	....	9 ...	....	....
6958	Z 1867	Bootis 260	35 39	31 48	21.8	1.63	7.7... 8.2	1831.84	Z 3	White
6959	H 2739	....	35 41	8 40	70.0	3±	15 ...16	1830+	H	"Very delicate"
6960	Doo 9	....	35 42	51 50	106.5	1.18	11.0...12.2	1900.63	Doo 3	(Pub. Flower Obey. I)
6961	Z 1866	DM (10°) 2725	35 54	10 2	19.2	0.92	8.2... 8.2	1829.60	Z 3	Yel'sh
6962	Hu 743	SD (17°) 4157	35 59	-17 50	23.4	0.42	8.7...10.0	1902.49	Hu 1	
6963	OZ 284	Rad ¹ . 3245	36 6	49 13	106.3	6.98	7.2...11.2	1848.19	OZ 3	
6964	OZ (App) 130	Rad ¹ . 3254	36 11	80 52	300.2	48.41	8.3... 9.2	1876.44	A 3	
6965	H 4694	....	36 17	-24 29	45±	....	....	1834+	H	
6966	Z 1880 <i>rej.</i>	DM (80°) 446	36 18:	80 18	....	Cl. IV	8-9...10	....	Z	From Cat. Nov. (See p. 1076)
6967	Z 1869	SD (5°) 3934	36 22	- 5 27	132.6	26.04	8.0... 9.0	1828.00	Z 3	White
6968	β 807	Schj. 5216	36 37	- 6 18	239.0	1.24	8.0... 9.1	1881.41	β 3	
6969	Hu 19	Cor. DM (24°) 11642	36 50	-24 46	194.9	1.76	9.4...11.0	1881.39	β 2	
6970	H 5486	....	37 ±	2 16:	150±	....	8 ... 9	1823+	H	
6971	Z 1870	DM (8°) 2908	37 1	8 35	230.6	4.07	7.8...10.7	1829.97	Z 3	7.8 yel'sh wh.
6972	Hu 575	DM (20°) 3010	14 37 5	20 1	170.7	0.68	9.0... 9.5	1902.51	Hu 3	(Bul. L. O. No. 27)

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
6973	Ho 59	DM (45°) 2209	14 ^h 37 ^m 6 ^s	44° 54'	6° 6'	6.90	8.0...12.5	1886.49	Ho 1	
6974	Ku 48	DM (13°) 2830	37 18	13 40	135.8	6.60	9.9...10.1	1901.46	Ku 2	Kustner (3821)
6975	Σ 1871	DM (52°) 1821	37 27	51 54	283.2	1.82	7.0 = 7.0	1829.10	Σ 3	White
6976	H 2740	....	37 27	-20 1	310±	14±	11 ... 12	1830+	H	"P est. from diagram"
6977	Σ 1872	O. Arg. N. 14791	37 35	58 29	38.4	7.54	7.0... 8.0	1830.25	Σ 3	Yel'sh: ashy wh.
6978	Σ 3088 rej.	DM (20°) 3013	37 54	20 45	....	Cl. IV	9 ... 10-11	....	Σ	From Cat. Nov.
6979	H 5487	DM (29°) 2571	37 52	29 18	230.0	20±	9 ... 10	1827.2	H	
6980	H 5488	....	38 :	3 13:	50±	....	8 ... 8.5	1823.4	H	
6981	μ N. 116	....	38 :	56 ±	....	....	....	1796.60	μ	
6982	Σ 1874	DM (49°) 2319	38 1	49 38	288.4	25.73	7.7... 9.2	1830.65	Σ 2	7.7 yel'sh
6983	H 2741	SD (19°) 3951	38 12	-20 4	....	10±	10 ... 11	1830+	H	"A neat star"
6984	H 2746	DM (70°) 800	38 48	70 15	239.2	30±	9 ... 10	1830+	H	
6985	Σ 1875	DM (38°) 2583	38 51	38 15	310.7	3.15	8.7... 9.2	1832.16	Σ 3	White
6986	H 2743	DM (6°) 2937	38 52	6 13	29.2	20±	9 ... 10	1830+	H	
6987	Σ 1873	DM (8°) 2913	38 54	8 13	94.4	6.35	7.8... 8.3	1828.37	Σ 3	Very wh.
6988	Σ 1878	Draconis 59	39 3	61 46	336.4	3.08	7.0... 9.2	1832.18	Σ 3	7.0 yel'sh
6989	Sh 184	54 Hydrae	39 4	-24 56	136.7	9.95	6 ... 8+	1822.87	Sh 2	Red: blue
6990	Hn 20	5 Librae	39 21	-14 57	249.8	2.69	6.3... 11.0	1881.43	β 3	
6991	Hu 476	SD (16°) 3936	39 21	-16 22	179.6	1.77	8.2... 13.0	1901.56	Hu 3	(Bul. L. O. No. 21)
6992	H 556	DM (34°) 2556	39 38	34 15	335±	25±	9 ... 9+	1820+	H	
6993	Σ 1877	α Bootis	39 45	27 35	321.0	2.64	3.0... 6.3	1829.39	Σ 18	Very yel.: very blue
6994	Ku 49	DM (42°) 2528	39 48	41 55	200.9	1.55	9.6... 10.1	1901.37	Ku 2	Kustner (3821)
6995	H 4700	L 26882	39 49	-10 35	222.4	25±	9 ... 9½	1836.4	H	
6996	Hu 576	DM (20°) 3020	39 51	20 41	188.6	4.80	8.5... 13.0	1902.51	Hu 3	(Bul. L. O. No. 27)
6997	Σ 1876	L 26890	40 2	-6 53	51.7	1.18	8.1... 8.6	1832.33	Σ 7	Yel'sh
6998	H 2745	DM (29°) 2575	40 13	29 41	122.0	14±	10 ... 12	1830+	H	
6999	Σ 1879	DM (10°) 2739	40 23	10 10	67.3	1.18	7.8... 8.8	1829.99	Σ 3	Yel'sh
7000	H 557	DM (37°) 2571	40 28	37 19	43±	8±	10 ... 12	1820+	H	
7001	OΣ 285	P XIV ^b . 182	40 58	42 53	72.2	0.61	7.1... 7.6	1845.80	OΣ 3	
7002	Σ 1881	DM (1°) 2981	40 59	1 29	357.9	3.64	7.0... 9.3	1830.99	Σ 3	Very wh.: ash
7003	See 213	Cord. 14 ^b . 2593	41 1	-29 55	167.3	0.24	7.6... 8.5	1897.46	See 1	(A. J. 431)
7004	Σ 1882	Draconis 60	41 5	61 36	2.5	11.51	7.2... 8.7	1831.64	Σ 2	Yel'sh wh.: ash
7005	β 1113	B. A. C. 4886	41 21	2 32	137.1	4.54	6.2... 11.8	1889.40	β 3	
7006	β 346	Librae 23	41 50	-16 50	236.1	1.27	7.2... 8.0	1877.44	Δ 2	
7007	Hu 477	SD (16°) 3942	42 18	-16 30	33.4	4.75	8.8... 8.8	1901.88	Hu 3	(Bul. L. O. No. 21)
7008	Ho 263	DM (24°) 2776	42 19	24 36	s	1±	7 ... 10	1887.41	Ho	
7009	β 617	L 26952	42 23	-23 45	336.6	2.73	8.5... 11.5	1878.34	β 2	B and C }
					219.1	56.69	7.5... 10	1825.35	S 2	A and B }
7010	Hu 141	SD (10°) 3967	42 43	-10 20	323.4	0.37	7.5... 8.7	1900.42	Hu 3	(A. J. 485)
7011	H 241	....	42 44:	12 36:	30±	20±	9 ... 10	1820+	H	
7012	β 106	μ Librae	42 45	-13 39	335.0	1.38	5.4... 6.3	1875.60	Δ 5	A and B }
					283.7	18.33	... 14.5	1889.38	β 2	A and C }
					185.5	25.96	... 13.9	1889.38	β 3	A and D }
					229.2	27.35	... 12.5	1878.32	β 1	A and E }
7013	Σ 1883	DM (6°) 2946	42 56	6 27	272.0	1.24	7.0... 7.0	1830.37	Σ 3	Yel'sh
7014	Σ 1884	Bootis 286	43 4	24 52	52.2	1.23	6.2... 7.8	1829.78	Σ 3	Yel'sh: bluish
7015	H 2747	....	43 36	24 34	45.8	6±	10 ... 11	1830+	H	
7016	Ho 546	W ¹ XIV ^b . 787	43 43	-6 40	91.0	2.82	8.3... 11	1897.44	Ho 2	(A. N. 3557)
7017	H 4708	....	44 6	-4 59	330.6	12±	10½... 10½	1835.6	H	
7018	Sh 186	α Librae	44 12	-15 32	314.5	230.85	4 ... 6	1823.47	Sh 1	
7019	Σ 1885	DM (0°) 3250	44 25	0 28	147.4	3.78	8.3... 8.8	1830.33	Σ 3	Very wh.
7020	H 2748	Cord. DM (30°) 11768	44 28	-30 23	178.3	30±	8-9... 9-10	1830+	H	
7021	H 558	....	44 34	35 24	70±	10±	10 ... 13	1820+	H	
7022	Ho 388	SD (17°) 4193	44 42	-17 23	124.6	11.52	8.0... 11.5	1892.44	Ho 2	
7023	Kr 43	A. G. Hels. 8126	44 47	62 39	215.9	2.70	9.7... 10.0	1891.29	β 1	
7024	H 5489	B. A. C. 4902	14 44 48	29 7	20±	15±	6 ... 20	1823+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
7025	H 2751	....	14 ^h 45 ^m 7 ^s	53° 54'	142° 5'	5" ±	11 ... 11+	1830+	H	"Neat"
7026	Hu 647	DM (48°) 2243	45 7	48 44	....	0.3 ±	9.0 ...	....	Hu	
7027	Σ 1886	DM (10°) 2752	45 15	10 13	228.2	7.51	7.2 ... 9.2	1827.62	Σ 4	7.2 <i>yel'sh wh.</i>
7028	OΣ 286 <i>rej.</i>	DM (47°) 2177	45 19	47 5	....	....	8 ...	....	OΣ	
7029	H 5490	....	45 31	3 13	253.	....	12 ... 13	1823+	H	A and B }
					310.	....	7-8 ... 10	1823+	H	C and D }
7030	H 2749	....	45 34	-19 53	319.6	20 ±	9 ... 10	1830+	H	
7031	Σ 1890	39 <i>Bootis</i>	45 37	49 13	44.1	3.70	5.8 ... 6.5	1830.02	Σ 6	<i>Wh.: purplish</i>
7032	Σ 1889 <i>rej.</i>	DM (51°) 1957	45 39	51 52	....	Cl. IV	6 ... 10	....	Σ	
7033	H 2750	....	45 40	31 44	120 ±	5 ±	10-11 ... 13	1830+	H	"P est. from diagram"
7034	Σ 1888	ξ <i>Bootis</i>	45 51	19 36	328.2	7.09	4.7 ... 6.6	1836.47	Σ 4	<i>Yel.: purplish red</i>
7035	H 4713	....	45 53	-10 27	129.7	25 ±	9½ ... 10	1836.4	H	
7036	H 2754	....	46 3	77 37	260.7	2½	11-12 ... 12	1830+	H	
7037	H 1258	DM (44°) 2396	46 10	43 56	60 ±	15 ±	9 ... 13	1828+	H	
7038	Hn 389	L 27099	46 39	20 47	100.8	1.12	7.0 ... 9.3	1892.12	Ho 3	
7039	Hn 120	L 27090	46 46	8 16	222.1	24.65	8.2 ... 9.8	1888.46	Com 3	
7040	β 31	L 27106	46 59	19 13	181.6	1.11	8.5 ... 10.2	1874.94	Δ 2	A and B }
					161.4	9.04	... 12.5	1878.25	β 1	A and C }
7041	β 118	O. Arg. S. 14034	47 1	-16 1	307.4	1.83	9.8 ... 10.7	1875.90	Δ 2	
7042	H 559	DM (33°) 2504	47 1	33 4	20 ±	8 ±	10 ... 11	1820+	H	
7043	H 2752	DM (45°) 2228	47 4	45 6	131.2	4½	9 ... 10	1830+	H	
7044	OΣ 287	L 27136	47 8	45 25	97.3	0.58	7.5 ... 7.6	1845.51	OΣ 2	<i>White</i>
7045	H 2753	....	47 16	55 50	96.8	30 ±	9-10 ... 12	1830+	H	
7046	β 347	<i>Centauri</i> 330	47 18	-32 49	320.6	13.01	6.5 ... 10.5	1889.45	β 3	A and B }
					243.1	58.46	... 9.8	1889.45	β 3	A and C }
7047	β 942	....	47 29	0 2	189.9	1.24	9.2 ... 9.2	1879.44	β 2	
7048	OΣ (App) 131	P XIV ^b . 205	47 40	0 5	210.5	89.69	6.5 ... 7.2	1873.44	Δ 2	
7049	OΣ 288	DM (16°) 2705	47 46	16 12	228.0	0.68	6.4 ... 7.1	1845.35	OΣ 3	
7050	H 242	....	47 50:	14 9:	320 ±	10 ±	10 ... 11	1820+	H	
7051	Ho 390	Lac. 6146	48 23	-33 22	169.0	23.08	5 ... 12	1892.44	Ho 2	
7052	Ma —	....	48 37:	9 56:	47.9	7.82	7.5 ... 9.5	1843.34	Ma 1	
7053	Hn 21	SD (14°) 4070	48 57	-14 15	23.0	3.92	8.5 ... 8.6	1881.43	β 3	
7054	Hu 142	SD (12°) 4165	49 14	-12 43	11.3	2.49	8.5 ... 12.3	1900.48	Hu 3	(A. J. 485)
7055	H 4716	Cord. DM (24°) 11736	49 22	-24 11	2.0	1½	9½ ... 11	1834.3	H	
7056	H 1259	W ^r XIV ^b . 907	49 27	7 16	85 ±	30 ±	7-8 ... 10	1828+	H	"Orange: blue"
7057	Σ 1892	DM (59°) 1616	49 32	59 33	240.7	2.76	8.5 ... 9.7	1830.91	Σ 3	8.5 <i>wh.</i>
7058	H 2755	....	49 33	24 40	255.4	12 ±	10 ... 14	1830+	H	
7059	Σ 1891	DM (34°) 2581	49 37	34 34	233.9	3.58	8.0 ... 9.7	1832.16	Σ 3	8.0 <i>yel'sh wh.</i>
7060	Sh 190	P XIV ^b . 212	50 27	-20 52	270.1	10.82	7 ... 8	1823.32	Sh 1	A and B }
					321.5	20 ±	... 15	1830+	H	B and C }
7061	H 1261	DM (58°) 1538	50 42	58 3	15.0	8 ±	10 = 10	1828+	H	
7062	H 560	....	50 45	35 27	300 ±	20 ±	9 ... 11	1820+	H	
7063	A. G. 196	DM (51°) 1968	50 52	51 7	139.0	25.03	9.1 ... 9.4	1900.43	Es 2	
7064	H 4720	....	50 53	-5 23	....	10 ±	10½ = 10½	1835.6	H	
7065	OΣ 289	L 27241	51 1	32 47	120.3	4.56	6.3 ... 9.8	1846.34	OΣ 3	6.3 <i>yel.</i>
7066	Σ 1893	DM (30°) 2587	51 10	29 58	261.0	21.60	8.4 ... 10.0	1832.40	Σ 5	
7067	H 1260	DM (41°) 2538	51 12	41 45	190 ±	6 ±	10 ... 10-11	1828+	H	
7068	μ VI. 51	1 <i>Serpentis</i>	51 23	0 19	....	....	....	1781.59	μ	
7069	Hu 648	DM (21°) 2705	51 29	21 3	135.2	1.47	9.0 ... 14.0	1902.54	Hu 1	
7070	β 239	59 <i>Hydrae</i>	51 33	-27 10	303.7	0.8 ±	6.0 ... 6.0	1874.50	β 5	
7071	H 561	SD (13°) 4030	51 44	-13 36	80 ±	....	9 = 9	1820+	H	A and B }
					285 ±	....	... 9	1820+	H	A and C }
7072	H 2757	L 27229	51 48	-21 55	94.8	10 ±	8-9 ... 11	1830+	H	
7073	β 808	SD (8°) 3872	51 53	-8 13	201.5	0.63	9.0 ... 9.0	1881.44	β 2	A and B }
					305.1	94.60	... 9.0	1881.44	β 2	AB and C }
7074	H 2756	DM (8°) 2949	14 51 54	8 45	94.8	25 ±	9-10 ... 10	1830+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
7075	H 4722	Lac. 6183	14 ^h 52 ^m 15 ^s	-30° 14'	344° 5	10" ±	6½... 9	1837.5	H	
7076	H 243	L 27287	52 18	35 58	25 ±	12 ±	8 ... 13	1820+	H	(= OZ 290 rej.)
7077	Σ 1894	18 <i>Librae</i>	52 24	-10 40	38.7	19.45	6.0... 10.2	1831.09	Σ 4	6.0 <i>yel'sh</i>
7078	Σ 1897 <i>rej.</i>	DM (70°) 813	52 24	70 15	331.3	18 ±	7-8... 11-12	1830+	H	From H (V)
7079	β 1085	P XIV ^h . 229	52 37	-4 30	19.5	9.34	6.0... 13.2	1889.30	β 3	
7080	Σ 1895	W ² XIV ^h . 1127	52 52	40 39	43.4	12.40	7.8... 8.3	1831.91	Σ 3	<i>Very wh.</i>
7081	H 2759	DM (46°) 2007	53 15	45 59	90 ±	7 ±	10 ... 14	1830+	H	
7082	Σ 3089	DM (0°) 3287	53 17	0 0	30.1	5.04	9.5... 11.2	1830.32	Σ 3	
7083	H 1263	....	53 17	7 17	102 ±	15 ±	10 ... 10+	1828+	H	
7084	Σ 1915	Redhill 2258	53 24	86 27	326.0	2.49	7.5... 10.5	1832.30	Σ 3	7.5 <i>yel.</i>
7085	H 1264	W ² XIV ^h . 1147	53 29	40 42	315 ±	14 ±	10 ... 11	1828+	H	
7086	Σ 1898	DM (59°) 1620	53 30	59 52	206.4	2.65	7.8... 9.8	1832.19	Σ 3	7.5 <i>yel'sh wh.</i>
7087	H 2758	....	53 55	-17 1	359.0	10 ±	11 ... 13	1830+	H	
7088	Σ 1896	DM (44°) 2408	54 2	44 32	281.8	4.54	8.3... 8.8	1830.88	Σ 3	<i>White</i>
7089	H 5491	....	54 30	3 34	60 ±	Cl. III	8 ... 9	1834+	H	
7090	A 14	SD (3°) 3707	54 54	-3 37	16.9	3.76	9.0... 12.0	1899.43	A 3	(A. N. 3635)
7091	H 562	DM (35°) 2637	54 56	35 35	310 ±	16 ±	8-9... 11	1820+	H	(= Σ 1900 <i>rej.</i>)
7092	H 1265	....	55 7	6 50	273 ±	3 ±	13-14... 14	1828+	H	
7093	H 1266	....	55 19	4 44	30 ±	12 ±	9-10... 10	1828+	H	
7094	Hn 22	SD (19°) 4004	55 19	-19 48	360.1	2.22	8.5... 9.3	1881.39	β 3	
7095	Σ 1899	SD (2°) 3930	55 20	-2 41	67.3	28.47	7.2... 9.7	1825.37	Σ 2	7.2 <i>yel.</i>
7096	β 348	2 <i>Serpentis</i>	55 40	0 20	114.6	0.47	5.1... 7.4	1875.75	Δ 4	
7097	H 2760	DM (6°) 2974	55 48	6 6	19.4	20 ±	9-10... 10	1830+	H	"Fine"
7098	Σ 1901	<i>Bootis</i> 342	55 59	31 51	203.7	30.34	7.7... 9.5	1831.49	Σ 2	7.7 <i>yel.</i>
7099	Sh 191	O. Arg. N. 15019	56 0	54 20	343.2	40.84	7 ... 7½	1823.33	Sh 2	
7100	Σ 1905	DM (71°) 704	56 3	71 19	160.1	3.84	8.3... 8.3	1832.24	Σ 3	<i>White</i>
7101	Σ 1902	DM (16°) 2724	56 16	16 16	185.5	25.75	8.0... 8.5	1828.80	Σ 2	
7102	H 4727	O. Arg. S. 14191	56 26	-27 22	36.2	5 ±	9 = 9	1834.3	H	
7103	OZ 291 <i>rej.</i>	B. A. C. 4952	56 33	47 45	156.6	35.51	6.1... 8.6	1867.12	Δ 3	<i>White: blue</i>
7104	Σ 1903 <i>rej.</i>	DM (2°) 2906	56 50	2 34	142.4	41.76	9.0... 9.0	1903.22	β 2	
7105	H 1267	DM (8°) 2965	57 17	8 9	5 ±	14 ±	10 ... 11	1828+	H	
7106	S 666	Rad ² . 3315	57 40	75 23	38.0	173.18	6 ... 9	1824.94	S 2	
7107	S 665	L 27408	57 46	-17 26	91.9	25.27	8½... 10	1825.35	S 3	
7108	Ho 391	W ² XIV ^h . 1065	57 47	-6 24	141.6	1.85	8 ... 11	1891.39	Ho 1	
7109	Σ 1906 <i>rej.</i>	DM (71°) 705	57 52	71 37	218.7	25 ±	9 ... 10	1830+	H	A and B } From H (V)
					259.6	90 ±	... 11	1830+	H	A and C }
7110	H 245	....	58 0:	36 20:	267 ±	6 ±	12 ... 12	1820+	H	
7111	Σ 1904	W ² XIV ^h . 1074	58 9	5 58	346.4	9.62	7.0... 7.0	1829.72	Σ 3	<i>Very wh.</i>
7112	Hu 744	DM (20°) 3054	58 19	20 35	346.9	1.01	8.5... 15.0	1902.54	Hu 1	
7113	H 2761	DM (29°) 2617	59 2	29 50	169.6	20 ±	9-10... 10	1830+	H	
7114	Hu 745	DM (20°) 3056	59 3	20 19	23.2	0.54	7.5... 9.0	1902.54	Hu 1	
7115	H 564	....	59 4	29 51	20 ±	15 ±	6 ... 20	1820+	H	
7116	H 565	....	59 9	33 53	110 ±	25 ±	8 ... 10	1820+	H	
7117	β 119	L 27454	59 10	-6 33	313.0	1.51	8.0... 8.5	1875.90	Δ 4	
7118	H 246	....	59 19:	14 13:	225.4	4 ±	10 ... 11	1820+	H	
7119	Σ 1907	DM (12°) 2786	59 48	12 6	11.8	1.13	8.5... 8.7	1830.28	Σ 3	
7120	Σ 1909	44 <i>Bootis</i>	59 51	48 7	234.0	2.86	5.2... 6.1	1832.24	Σ 9	<i>Yel'sh: bluish</i>
7121	H VI. 53	....	15 0:	48 7:	....	60 ±	....	1781.62	H	
7122	Σ 1908	DM (35°) 2648	0 6	34 56	137.2	1.46	8.2... 9.2	1832.54	Σ 3	8.2 <i>wh.</i>
7123	H 2763	DM (56°) 1779	0 36	56 50	245 ±	40 ±	8-9... 11	1830+	H	A and B } In DM
					235 ±	5 ±	... 11+	1830+	H	B and C } 9.2 m.
7124	H 2762	....	0 37	6 37	250.3	6 ±	10 ... 10+	1830+	H	
7125	H 1268	DM (6°) 2996	0 42	6 15	80 ±	20 ±	9 ... 12	1828+	H	
7126	β 1086	47 <i>Bootis</i>	1 27	48 37	256.6	6.03	5.5... 13.2	1889.21	β 3	
7127	Σ 1910	P XIV ^h . 279	1 46	9 41	209.2	3.80	7.0... 7.0	1832.08	Σ 3	<i>Yel'sh wh.</i>
7128	Σ 1911	DM (12°) 2790	15 1 57	12 26	293.7	1.99	9.0... 9.8	1830.28	Σ 3	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
7129	H 2764	SD (21°) 4040	15 ^h 2 ^m 7 ^s	-21° 16'	160° 2	18" ±	8-9...10	1830+	H	
7130	H 4736	....	2 16	-24 35	166.8	6 ±	11 = 11	1834.3	H	
7131	Ho 392	Cord. G. C. 20552	2 29	-5 42	173.3	6.86	8 ... 12	1891.39	Ho 1	
7132	Σ 3090	L 27568	2 33	-0 31	275.5	1.79	8.3... 8.7	1829.99	Σ 3	Yel' sh wh.
7133	A 81	SD (6°) 4141	2 34	-6 7	66.0	0.54	8.6... 9.0	1900.54	A 4	
7134	H 247	....	2 50:	11 31:	50 ±	15 ±	10 ... 11	1820+	H	
7135	Hn 23	W ¹ XIV ^h . 1163	2 51	-7 48	360.7	3.40	8.6... 8.9	1881.39	β 3	
7136	β 349	L 27579	2 52	2 9	39.6	4.06	7.5... 11.8	1876.51	Δ 1	
7137	β 809	SD (22°) 3908	3 3	-22 16	120.1	1.47	8.0... 9.3	1881.36	β 4	
7138	Σ 1912	W ¹ XV ^h . 8	3 6	5 40	157.5	6.79	8.5... 9.3	1829.67	Σ 3	8.5 white
7139	H 4740	O. Arg. S. 14309	3 10	-28 0	30 ±	....	....	1834+	H	
7140	H 2766	P XIV ^h . 291	3 21	25 34	330.9	40 ±	6-7... 12	1830+	H	
7141	H 248	DM (14°) 2841	3 26	14 47	275 ±	8 ±	10 ... 11	1820+	H	A and B } A and C }
					120 ±	30 ±	... 18	1820+	H	
7142	Hu 143	DM (55°) 1733	4 7	55 43	127.1	0.74	9.1... 9.4	1900.59	Hu 3	(A. J. 485)
7143	H 566	L 27654	4 17	33 31	290 ±	12 ±	8 ... 12	1820+	H	(= Σ 1913 rej.)
7144	H 2768	....	4 27	45 37	116.8	15 ±	10 ... 10	1830+	H	"Neat"
7145	H 2767	....	4 37	32 36	268.0	8 ±	10-11... 11	1830+	H	"Neat"
7146	H 2769	....	5 2	32 36	22.8	9 ±	11 ... 13	1830+	H	
7147	Hu 144	DM (20°) 3075	5 11	20 48	242.4	0.66	8.8... 11.0	1900.59	Hu 4	(A. J. 485)
7148	A 572	A. G. Bonn 9815	5 17	42 10	4.7	4.04	8.9... 10.7	1903.61	A 3	(Bul. L. O. No. 50)
7149	Σ 1916	DM (39°) 2838	5 21	39 26	329.5	10.03	7.0... 9.5	1829.70	Σ 2	7.0 white
7150	β 618	Librae	5 23	-19 20	24.3	1.86	10 ... 10	1878.34	β 3	B and C }
					112.5	59.07	6 ...	1782.39	H 1	A and B }
7151	Σ 1914	SD (4°) 3828	5 25	-5 2	336.4	30.94	8.0... 8.7	1827.37	Σ 3	White
7152	H 567	DM (38°) 2620	5 31	38 9	145 ±	15 ±	9 ... 13	1820+	H	7.9 m. in DM
7153	Σ 1918 rej.	Draconis 67	5 34	63 36	....	Cl. IV	6 ... 10	....	Σ	
7154	Weisse 28	W ¹ XV ^h . 61	6 3	-14 15	....	....	8 ...	....	....
7155	H 568	....	6 23	39 33	305 ±	12 ±	11 ... 13	1820+	H	
7156	H 249	....	6 31:	17 55:	135 ±	10 ±	12 ... 12	1820+	H	
7157	H 3344	....	6 42	3 54	125.6	3 ±	14 = 14	1831+	H	
7158	Σ 1920	O. Arg. N. 15173	6 48	47 18	291.1	19.01	8.5... 8.5	1830.63	Σ 3	Yel' sh wh.
7159	Arg. 27	O. Arg. N. 15175	6 50	47 8	....	Cl. III	9 ...	....	....
7160	Σ 1917	DM (15°) 2829	6 57	15 50	239.3	2.22	9.0... 9.3	1829.66	Σ 3	
7161	H.C. Wilson 13	....	7 :	-4 10:	288.8	5.26	8.5... 10.0	1884.39	W 1	
7162	Σ 1919	DM (19°) 2939	7 24	19 43	10.2	24.82	6.1... 7.0	1832.21	Σ 4	Yel' sh wh.; wh.
7163	H 250	....	7 42	36 52	125 ±	20 ±	9 ... 11	1820+	H	Place from H (II)
7164	Sh 195	Librae 97	7 42	-17 59	141.0	49.04	7 ... 9	1823.27	Sh 1	
7165	H V. 125	DM (28°) 2412, 2411	7 42	28 23	234.4	33.88	....	1783.64	H 1	
7166	A 691	A. G. Nico. 3891	7 49	-0 53	225.0	0.09	7.5... 8.0	1904.27	A 1	
7167	Σ 1921	DM (39°) 2845	7 51	39 7	283.7	30.32	7.0... 7.2	1830.72	Σ 3	White
7168	H 469	....	7 59	32 12	60 ±	4 ±	15 ... 16	1820+	H	
7169	H 1269	W ¹ XV ^h . 105	8 2	2 10	255 ±	18 ±	8-9... 12	1828+	H	(See p. 1077)
7170	H 1270	DM (7°) 2918	8 8	7 17	155 ±	12 ±	9 ... 10	1828+	H	
7171	Σ 1923	DM (14°) 2850	8 10	14 54	12.5	4.80	8.5... 9.2	1829.99	Σ 3	8.5 yel.
7172	Σ 1922 rej.	....	8 10:	6 18:	....	III-IV	9 ... 11	....	Σ	
7173	A 15	SD (4°) 3838	8 27	-4 12	286.7	4.82	9.0... 11.2	1899.48	A 3	(A. N. 3635)
7174	β 350	B. A. C. 5020	8 29	-27 9	163.2	1.31	6.5... 8.0	1876.52	H 1 2	
7175	See 222	Cord. 15 ^h . 592	8 45	-30 17	326.6	13.47	9 ... 12.5	1897.49	See 1	
7176	H 2770	....	8 50	47 17	148.4	14 ±	10 ... 11	1830+	H	"Neat"
7177	Ho 60	L 27803	8 50	35 20	33.3	0.38	7.5... 7.6	1885.04	Ho 3	
7178	See 223	Cord. 15 ^h . 599	8 51	-30 8	278.3	8.84	9 ...	1897.49	Cg 1	
7179	Σ 1924	W ¹ XV ^h . 164	8 56	26 12	307.8	15.09	8.5... 9.7	1831.57	Σ 2	8.5 wh.
7180	Σ 1933 rej.	DM (79°) 459	9 9	79 31	....	Cl. IV	8 ... 10	....	Σ	From Cat. Nov.
7181	OΣ 292 rej.	L 27811	9 11	32 14	....	....	5 ... 7-8	....	OΣ	
7182	H 2771	DM (54°) 1735	15 9 12	54 28	283.9	30 ±	8-9... 12	1830+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
7183	Σ 1928	SD (72°) 672	15 ^h 9 ^m 27 ^s	72° 54'	277° 6'	6'.58	8.5... 9.2	1832.27	Σ 4	8.5 yel'sh wh.
7184	Σ 1927	O. Arg. N. 15215	9 29	62 18	353.9	16.10	7.1... 8.0	1832.11	Σ 4	White
7185	Σ 3091	SD (4°) 3847	9 44	- 4 27	227.3	0.5±	7.7... 7.7	1832.39	Σ 4	Yel.
7186	OΣ 294	L 27867	9 47	56 30	251.3	3.26	6.8... 11.3	1848.59	OΣ 3	
7187	OΣ 293	W ² XV ^h . 183	10 10	22 59	346.6	10.75	7.5... 11.0	1847.02	OΣ 3	
7188	Hu 145	DM (53°) 1772	10 16	53 2	129.5	1.94	9.0... 12.5	1900.59	Hu 3	(A. J. 485)
7189	β 351	O. Arg. S. 14417	10 20	-15 8	303.3	10.36	8.0... 11.6	1876.56	H1 1	
7190	H 570	....	10 20	36 8	315±	3±	11 ... 14	1820+	H	
7191	Σ 1926	DM (38°) 2631	10 23	38 45	260.6	1.59	6.1... 8.4	1830.60	Σ 4	Yel'sh: blue
7192	OΣ 295	L 27853	10 25	37 17	128.4	0.74	7.4... 9.0	1846.38	OΣ 4	
7193	Σ 1925	SD (7°) 3992	10 28	- 7 50	6.7	4.18	7.8... 9.3	1831.69	Σ 3	7.8 yel'sh
7194	Σ 27, App. I	δ Bootis	10 40	33 46	78.9	104.87	3.2... 7.4	1835.66	Σ 5	Yel.: wh.
7195	β 352	O. Arg. S. 14427	10 42	-26 33	66.9	14.10	7.7... 9.7	1879.40	Cin 2	
7196	Ho 547	W ² XV ^h . 202	10 54	17 15	303.1	5.00	7.9... 12	1895.10	Ho 2	(A. N. 3557)
7197	See 226	Lac. 6310	11 20	-30 46	70.0	20.38	5.8... 14.2	1897.44	See 2	
7198	See 227	Cord. DM (30°) 12115	11 20	-30 43	117.8	7.71	11.2... 13.2	1897.43	See 1	
7199	H 2772	O. Arg. N. 15242	11 32	45 18	309.2	10±	9-10... 13	1830+	H	
7200	Σ 1929	DM (34°) 2621	11 51	34 6	7.4	6.11	8.6... 10.6	1832.92	Σ 4	8.6 wh
7201	β 227	B. A. C. 5039	12 7	-23 50	184.1	1.7±	7.0... 10.5	1874.40	β 1	
7202	OΣ (App) 137	Rad'. 3349	12 11	51 23	107.0	75.79	6.7... 8.5	1876.28	Δ 3	
7203	β 943	L 27885	12 16	1 23	92.5	2.30	6.6... 12.2	1879.70	β 4	
7204	A 16	SD (4°) 3858	12 24	- 5 5	350.1	0.38	9.0... 9.0	1899.45	A 3	A and B
					79.4	2.54	... 14.3	1899.45	A 3	AB and C
					0.8	14.98	... 12.0	1899.45	A 2	AB and D
					209.0	27.28	... 14.5	1899.46	A 2	AB and E
7205	H 2773	DM (41°) 2586	12 32	41 51	150.0	20±	9 ... 10	1830+	H	
7206	H 5492	DM (14°) 2860	12 36	14 38	245±	15±	9 ... 10	1826.2	H	
7207	H 4758	SD (6°) 4173	12 37	- 6 46	77.5	4±	10 ... 12	1835.6	H	= Ho 548
7208	β 228	B. A. C. 5041	12 38	-23 50	329.6	1.16	7.5... 7.9	1876.47	Cin 2	
7209	Hu 306	SD (17°) 4300	12 41	-17 54	123.4	0.27	9.5... 9.8	1901.58	Hu 3	(Bul. L. O. No. 12)
7210	Σ 1931	W ² XV ^h . 201	12 57	10 52	172.5	13.09	6.2... 7.6	1832.21	Σ 4	White
7211	Lv 6	....	13 :	-26 35:	29.6	17.01	8.1... 9.5	1892.38	Lv 2	
7212	Σ 1934	W ² XV ^h . 272	13 10	44 14	45.1	5.30	8.5... 8.5	1830.88	Σ 3	White
7213	Σ 1930	5 Serpentis	13 10	2 14	41.0	10.07	5.0... 10.0	1831.69	Σ 3	5.0 yel.
7214	Σ 1932	Coronae I	13 12	27 16	273.8	1.62	5.6... 6.1	1830.28	Σ 4	Very wh.
7215	H 2774	....	13 12	25 27	251.3	12±	10 ... 12-13	1830+	H	
7216	H 571	....	13 22	35 19	225±	3±	11 ... 12	1820+	H	
7217	Ho 61	W ² XV ^h . 274	13 25	35 33	253.3	1.96	8.2... 13.0	1886.56	Ho 2	
7218	β 353	Redhill 2307	13 55	85 57	297.0	3.60	9.3... 9.4	1881.48	β 3	
7219	....	o ² Librae	14 19	-15 7	352.1	47.20	6½... 8.7	1903.45	β 3	
7220	H V. 27	....	14 42:	- 8 24:	130.3	44.42	....	1782.36	H	
7221	See 230	Cord. DM (28°) 11305	14 44	-28 52	148.8	3.23	9 ... 9.5	1897.54	Cg 1	
7222	β 32	6 Serpentis	14 55	1 9	13.2	2.28	4.7... 9.3	1875.43	Δ 4	
7223	....	L 27966	15 7	-14 44	267.6	33.61	8.3 ... 9.2	1903.46	β 2	
7224	H 2776	....	15 16	46 16	313.8	18±	10 ... 12	1830+	H	"s' s of a neb."
7225	H V. 132	....	15 18:	-14 40:	....	39.98	....	1783.25	H	
7226	Σ 1935	W ² XV ^h . 312	15 18	31 8	290.2	8.38	8.5... 8.7	1832.37	Σ 2	White
7227	Σ 3092	W ² XV ^h . 246	15 32	- 1 35	165.9	14.10	8.5... 11.0	1831.37	Σ 2	8.5 yel'sh wh.
7228	See 232	Cord. 15 ^h . 1042	15 37	-28 34	51.2	8.47	7.8... 14.5	1897.54	Cg 1	
7229	H 2775	....	15 38	20 48	95.4	6±	10-11... 10-11	1830+	H	
7230	H 251	....	15 38:	36 25:	240±	20±	11 ... 11	1820+	H	
7231	Hu 146	DM (21°) 2759	15 39	21 30	171.8	0.25	8.7... 9.0	1900.61	Hu 3	
7232	Hu 307	SD (16°) 4067	15 55	-16 29	2.9	2.98	9.1... 9.5	1901.55	Hu 4	(Bul. L. O. No. 12)
7233	Σ 1936	DM (27°) 2478	16 2	27 28	231.9	20.34	8.5... 9.0	1832.20	Σ 5	White
7234	Hn 24	....	16 5	-25 30	276.5	3.76	8.6... 8.8	1881.41	β 3	
7235	Ho 62	W ² XV ^h . 314	15 16 5	35 25	283.2	1.02	8.7... 8.7	1886.56	Ho 2	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
7236	Ho 284	W ^h XV ^h . 329	15 ^h 16 ^m 23 ^s	16° 56'	318° 1	0.91	8 ... 12	1887.58	Ho 1	
7237	Σ 3093	L 28015	16 27	- 1 6	135.5	33.38	8.0... 9.2	1829.36	Z 2	8.0 yel'ish
7238	A 573	A. G. Bonn 9911	16 33	43 8	165.1	0.50	8.4... 9.8	1903.62	A 3	(Bul. L. O. No. 90)
7239	See 233	Lac. 6360	16 51	-26 52	223.7	14.07	7 ... 14	1897.47	See 1	
7240	Hu 147	DM (53°) 1774	17 0	53 35	294.2	0.52	9.2... 9.6	1900.49	Hu 3	(A. J. 485)
7241	H. V. 86	12 Ursae Minoris	17 9	71 39	90±	60±	....	1783.26	H	A and B }
					90±	60±	....	1783.26	H	A and C }
7242	Comstock	O. Arg. 8. 14516	17 18	-25 20	14.5	6.00	8.8... 9.2	1888.41	Com 2	
7243	H 2777	W ^h XV ^h . 359	17 24	26 3	352.5	30±	7-8... 12	1830+	H	(See p. 1077)
7244	H 2779	DM (55°) 1744	17 28	55 45	352.1	12±	7 ... 11-12	1830+	H	(= OX 549)
7245	OΣ (App) 138	Rad ^r . 3367	17 34	60 49	199.2	150.52	7.0... 7.3	1876.44	Δ 3	A and B }
					165.2	....	... 8.8	1876.44	Δ 3	A and C }
					46.6	....	....	1876.44	Δ 3	B and C }
7246	H 4767	Corl. DM (26°) 10860	17 59	-26 20	140.0	30±	8½... 11	1834.3	H	
7247	Egbert 4	....	18 :	-26 20:	28.2	16.05	8.5... 10.5	1880.40	Cin 1	
7248	A 17	SD (4°) 3880	18 2	- 4 41	238.3	1.44	8.5... 13.5	1899.47	A 3	
7249	H 1271	SD (18°) 4057	18 7	-18 11	110±	7±	10 = 10	1828+	H	
7250	H 4768	....	18 8	-19 12	114.9	8±	9½ = 9½	1836.5	H	
7251	Σ 1937	η Coronae	18 15	30 43	35.3	1.07	5.2... 5.7	1826.77	Z 4	Yel.
7252	H 4769	L 28062	18 24	-21 30	191.1	12±	8 ... 9	1835.4	H	
7253	Hu 308	SD (15°) 4103	19 2	-15 18	297.9	0.58	9.0... 12.1	1901.57	Hu 4	(Bul. L. O. No. 12)
7254	H 252	DM (14°) 2869	19 17	14 25	100±	8±	9 ... 10	1820+	H	A and B }
					95±	20-30	... 12	1820+	H	A and C }
7255	Hu 148	DM (55°) 1748	19 20	55 42	200.7	1.48	9.0... 9.8	1899.74	Hu 3	(A. J. 485)
7256	H 2780	W ^h XV ^h . 340	19 42	6 23	158.5	25±	8-9... 11	1830+	H	
7257	Hu 309	SD (16°) 4086	19 49	-16 40	51.3	1.49	9.0... 10.0	1901.56	Hu 3	(Bul. L. O. No. 12)
7258	Σ 28, App. I	μ Bootis	19 58	37 48	171.9	108.46	4.0... 6.5	1834.84	Z 7	
7259	Σ 1938	μ ^a Bootis	20 0	37 46	327.0	1.38	6.7... 7.3	1826.77	Z 2	Greenish wh.
7260	Hu 649	DM (50°) 2174	20 10	49 57	49.5	4.51	8.2... 13.0	1904.31	Hu 2	
7261	A 18	L 28131	20 18	- 5 14	147.3	0.65	8.6... 9.1	1899.46	A 3	
7262	Σ 1941	DM (27°) 2484	20 37	27 3	232.7	1.61	8.7... 8.7	1832.64	Z 4	White
7263	Σ 1940	P XV ^h . 76	20 41	18 36	325.5	1.48	8.2... 8.7	1830.35	Z 3	Very wh.
7264	Σ 1942	W ^h XV ^h . 429	20 43	21 53	92.1	9.23	8.5... 9.5	1830.97	Z 3	
7265	Σ 1939	SD (10°) 4107	20 58	-10 32	134.6	9.32	8.0... 9.0	1830.34	Z 2	White
7266	Hu 149	DM (54°) 1745	21 20	54 38	295.6	0.21	7.1... 7.2	1900.52	Hu 4	(A. J. 485)
7267	Innes 239	Corl. G. C. 20954	21 21	-31 3	2.5	0.29	7.5... 8.0	1900.60	I 1	
7268	Sh 202	L 28165	21 40	- 8 55	134.6	51.76	6 ... 7	1823.44	Sh 3	
7269	Σ 1943	DM (5°) 3009	21 41	5 47	153.3	5.28	8.5... 9.0	1833.04	Z 3	White
7270	β 1114	B. A. C. 5090	21 42	-28 27	325.7	0.65	7.0... 7.3	1889.38	β 3	A and B }
					5.8	9.21	... 9.8	1889.38	β 3	AB and C }
7271	H 4775	SD (19°) 4112	21 47	-19 29	4±	10±	10 = 10	1836.5	H	
7272	Hu 310	SD (14°) 4209	21 47	-14 19	249.7	0.89	9.1... 12.7	1901.58	Hu 3	(Bul. L. O. No. 12)
7273	Σ 1944	DM (6°) 3048	21 47	6 31	341.6	1.34	7.5... 8.1	1832.40	Z 4	White
7274	Hu 650	SD (18°) 4074	21 52	-18 18	333.7	1.52	8.0... 12.5	1902.46	Hu 4	
7275	A 82	DM (24°) 2864	21 53	24 20	322.5	0.80	8.5... 9.3	1900.55	A 3	
7276	OΣ 296	L 28230	22 18	44 26	327.9	1.52	7.0... 8.6	1845.53	OZ 2	
7277	Σ 1945	DM (15°) 2867	22 26	15 7	273.2	30.70	8.8... 9.5	1830.35	Z 3	A and B }
					280.4	8.75	... 9.5	1830.35	Z 3	B and C }
					27.5	23.12	... 14.5	1887.46	Hl 2	A and D }
7278	H 2781	....	22 34	49 38	324.1	15±	10 ... 11-12	1830+	H	
7279	Σ 1946	DM (39°) 2872	22 44	39 55	345.9	7.40	8.5... 10.5	1830.34	Z 3	
7280	H 4779	SD (6°) 4216	22 47	- 6 34	17.6	18±	9 ... 11½	1835.6	Il	8.4 in SD
7281	Ku 50	DM (46°) 2068	22 55	46 35	332.3	3.16	9.5... 9.9	1901.38	Ku 2	Kustner (38ex)
7282	Hu 150	DM (21°) 2774	23 25	21 3	26.6	4.46	9.0... 9.4	1900.58	Hu 3	(A. J. 485)
7283	Σ 1948	DM (55°) 1754	23 26	55 17	50.5	12.24	8.0... 8.7	1830.34	Z 3	White
7284	Σ 1947	DM (38°) 2662	15 23 41	38 46	27.9	6.76	8.3... 8.7	1831.27	Z 3	White

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
7285	H 253	....	15 ^h 23 ^m 50. ^s	10° 52.7'	10° ±	15-20"	8 ... 9	1820+	H	
7286	H 278a	....	23 59	6 18	277.5	5 ±	11 ... 11+	1830+	H	
7287	Lewis 13	....	24 :	46 37:	340.0	2.88	7.5... 9	1900.71	L 1	
7288	Σ 3125	DM (67°) 890	24 17	67 29	272.3	2.18	8.7... 9.0	1832.06	Z 3	
7289	Ho 393	SD (18°) 4084	24 21	-18 27	275.3	3.71	9.0... 12.9	1891.97	Ho 4	
7290	H 127a	....	24 22	- 4 27	130 ±	2½ ±	11 ... 11+	1828+	H	"Neat"
7291	H 2784	DM (50°) 2180	24 40	50 4	226.0	12 ±	9 ... 13	1830+	H	A and B }
					15 ±	20 ±	... 14	1830+	H	A and C }
7292	H 254	DM (16°) 2791	24 42	16 7	285 ±	10 ±	10 ... 10+	1820+	H	A and B }
					360 ±	25 ±	... 10½	1820+	H	B and C }
					255 ±	30 ±	... 15	1820+	H	B and D }
7293	β 33, 34	L 28246	24 43	-12 35	47.5	2.75	8.0... 10.3	1875.36	A 3	A and B }
					56.2	6.58	10.8... 10.8	1898.44	A 3	C and D }
					138.7	246.5	....	1898.45	A 1	A and C }
7294	S 67a	B. A. G. 5104	24 50	-19 45	283.2	11.47	8 ... 10	1825.35	S 2	
7295	Σ 1950	Coronae 17	24 50	25 55	93.2	3.21	6.7... 8.2	1830.28	Z 4	Golden: blue
7296	Σ 1949	DM (13°) 2954	24 59	13 28	213.2	16.37	9.0... 9.2	1828.32	Z 2	
7297	Σ 1951 rej.	W ^a XV ^a . 535	25 18	28 4	310.4	11.83	7.2... 11.0	1892.14	Ho 3	(= Ho 394)
7298	Hu 651	DM (50°) 2182	25 27	50 52	346.1	1.10	8.2... 12.8	1904.31	Hu 2	
7299	β 944	L 28326	25 34	48 8	128.5	10.74	6.5... 12.5	1879.28	β 2	
7300	H 1273	SD (17°) 4361	25 56	-17 31	330 ±	10 ±	9-10... 10-11	1828+	H	
7301	See 238	Lac. 6420	26 3	-24 5	137.8	0.20	7.1... 7.1	1897.50	See 1	B and C }
					297.7	9.18	8½... 8½	1825.37	S 2	A and BC }
7302	β 945	L 28358	26 6	57 51	13.1	16.37	6.8... 12.7	1879.28	β 3	
7303	Σ 1952	DM (10°) 2868	26 8	10 4	221.9	15.92	7.8... 9.0	1829.71	Z 3	7.8 wh.
7304	Ho 549	L 28303	26 8	14 31	70.2	0.44	9 ... 9	1895.41	Ho 2	B and C }
					133.7	118.75	7 ...	1895.41	Ho 2	A and BC } (A. N. 3557)
7305	H 1274	....	26 22	42 18	310 ±	3 ±	10 ... 11	1828+	H	"Neat"
7306	OZ (App) 140	L 28309	26 38	8 59	179.9	111.85	7.8... 8.2	1874.97	A 2	
7307	Σ 1953	DM (5°) 3033	27 1	5 55	255.1	6.54	8.7... 9.8	1831.04	Z 3	
7308	Hu 577	DM (20°) 3118	27 27	20 9	23.6	0.30	8.0... 8.0	1902.54	Hu 2	(Bul. L. O. No. 27)
7309	H 1275	....	27 30	- 5 14	55 ±	10 ±	10 ... 12	1828+	H	
7310	Σ 1958	DM (67°) 900	28 20	67 37	339.6	29.90	8.5... 8.8	1831.92	Z 3	White
7311	Hu 151	SD (13°) 4200	28 26	-13 16	310.9	1.12	8.4... 12.8	1900.40	Hu 3	(A. J. 485)
7312	Hu 122	Lam. 1868	28 26	-10 7	342.8	2.30	9.4... 10.2	1889.46	Com 2	
7313	Σ 1955	DM (27°) 2507	28 47	27 7	240.1	7.41	8.7... 9.3	1832.42	Z 3	A and B }
					42.0	21.75	... 12.0	1888.69	T 3	A and C } AB wh.
7314	....	γ Librae	28 48	-14 23	151.8	41.31	4.5... 11.7	1878.32	β 1	
7315	H 2886	W ^a XV ^a . 643	28 52	38 52	165.2	15 ±	8 ... 11	1830+	H	(See p. 1077)
7316	H 2885	....	29 0	8 25	123.5	16 ±	10 ... 10	1830+	H	
7317	Σ 1956	DM (42°) 2617	29 2	42 13	41.4	2.72	8.0... 9.5	1831.53	Z 3	8.0 yel'sh wh.
7318	Σ 1954	δ Serpentis	29 5	10 56	197.3	2.66	3.0... 4.0	1833.07	Z 5	Yel'sh wh.: ashy
7319	Hu 746	DM (32°) 2601	29 39	32 25	215.9	1.88	8.7... 13.0	1904.35	Hu 1	
7320	OZ 297	W ^a XV ^a . 652	29 40	25 24	147.2	13.31	7.5... 11.5	1845.84	OZ 2	
7321	See 241	Ord. DM (23°) 12411	29 44	-23 17	27.3	0.97	7 ... 10.5	1897.50	See 1	
7322	Σ 1959	W ^a XV ^a . 668	29 58	35 10	241.1	1.71	8.7... 10.2	1831.58	Z 3	
7323	Σ 1957	DM (13°) 2969	30 13	13 19	163.1	1.41	7.9... 9.6	1831.10	Z 4	
7324	Howe 35	....	30 17	-16 34	330 ±	4 ±	9 ... 9.5	1876.03	....
7325	See 242	Ord. G. C. 21164	30 25	-30 51	5.7	0.59	7.0... 9.5	1897.42	See 1	
7326	Σ 1961	DM (44°) 2483	30 29	43 56	56.0	21.55	8.7... 9.0	1830.65	Z 2	
7327	H 2788	DM (45°) 2305	30 39	45 18	307.6	70 ±	8-9... 8-9	1830+	H	
7328	Ho 63	DM (28°) 2446	30 46	28 47	301.1	1.04	9.0... 9.2	1885.57	Ho 2	
7329	H 2787	....	30 47	-30 35	140.9	12 ±	10 ... 11	1830+	H	
7330	Σ 1960	DM (9°) 3072	30 49	9 39	320.1	12.16	9.0... 9.7	1830.30	Z 2	
7331	H 1276	....	30 49	- 0 17	260 ±	5 ±	10 ... 11	1828+	H	
7332	OZ 298	W ^a XV ^a . 716	15 31 46	40 12	181.6	1.20	7.0... 7.3	1846.49	OZ 3	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
7333	OZ 299	Rad ^r . 3419	15 ^h 32 ^m 7 ^s	64° 18'	20° 9	3.20	7.2... 9.5	1848.34	OZ 3	Wh.: olive
7334	Z 1962	Librae 178	32 11	— 8 24	187.1	11.81	6.3... 6.4	1830.54	Z 7	White
7335	Hu 578	DM (21°) 2792	32 20	21 34	144.7	1.14	9.0... 13.5	1902.54	Hu 1	(Bul. L. O. No. 27)
7336	β 121	B. A. C. 5163	32 20	—27 15	278.3	1.68	7.7... 7.9	1877.72	Cin 3	
7337	See 243	Cord. 15 ^h . 2214	32 33	—31 0	27.0	1.09	8 ... 10.3	1897.42	See 1	
7338	Z 3094	L 28492	32 39	— 8 10	295.6	2.38	8.7... 9.2	1831.57	Z 5	
7339	Howe 36	L 28483	32 42	—20 38	200.9	2.68	8.2... 9.7	1883.39	W 1	
7340	β 122	L 28495	32 59	—19 23	204.0	1.76	7.1... 7.3	1875.45	Δ 4	
7341	Z 1963	W ^r XV ^h . 751	33 1	30 30	291.2	4.23	7.3... 7.7	1829.97	Z 3	White
7342	Welsae 29	W ^r XV ^h . 752	33 10	23 4	....	....	8 ...	....	....
7343	Hu 25	SD (14°) 4256	33 35	—14 8	313.8	1.24	8.8... 9.1	1881.41	β 3	
7344	Z 1964	W ^r XV ^h . 767	33 41	36 38	86.1	15.36	6.8... 7.3	1830.87	Z 3	A and B } AB
					8.1	1.34	... 8.8	1830.87	Z 3	B and C } Yel'sk
7345	Hu 652	DM (49°) 2408	33 49	49 13	172.0	0.77	8.5... 8.8	1904.31	Hu 2	
7346	H 256	....	34 16:	18 10:	95±	2±	....	1820+	H	
7347	Howe 37	SD (14°) 4260	34 20	—14 26	270.2	5.39	9.2... 9.5	1876.90	Δ 2	
7348	A. G. 197	DM (21°) 2798	34 30	21 40	126.6	3.35	9.0... 9.1	1902.54	Hu 1	
7349	OZ 300	W ^r XV ^h . 639	34 30	12 27	260.9	15.20	6.7... 9.8	1848.06	OZ 3	6.7 yel.
7350	Arg. 28	O. Arg. S. 14768	34 30	—29 45	22.9	35.67	8.5... 9.0	1880.35	Cin 1	A and B }
					328.0	60±	... 10.5	1880.35	Cin 1	A and C }
					320.1	89.10	... 9.5	1880.35	Cin 1	A and D }
7351	H 2789	Cord. DM (30°) 12458	34 32	—30 20	318.0	25±	9 ... 10	1830+	H	8.5 in Cord. DM
7352	Z 1965	† Coronae	34 52	37 2	300.8	6.00	4.1... 5.0	1829.70	Z 5	Greenish wh.: greenish
7353	Hu 579	DM (21°) 2802	35 7	21 46	128.6	0.63	8.0... 12.5	1902.54	Hu 1	(Bul. L. O. No. 27)
7354	Z 1966	W ^r XV ^h . 650	35 26	—10 45	232.5	23.17	9.0... 9.0	1831.40	Z 3	
7355	Hu 653	SD (19°) 4190	35 27	—19 6	194.4	3.64	8.5... 12.8	1902.47	Hu 3	
7356	See 246	O. Arg. S. 14791	35 46	—27 35	310.1	13.91	8 ... 14	1897.48	See 1	
7357	Hu 123	SD (21°) 4176	35 56	—21 32	121.8	2.46	8.9... 9.5	1889.46	Com 2	
7358	β 354	O. Arg. S. 14797	36 0	—25 2	285.7	5.17	7.0... 9.0	1876.44	Cin 1	
7359	β 35	B. A. C. 5184	36 1	—15 38	99.2	2.40	7.1... 8.2	1875.44	Δ 4	
7360	Hu 580	† Serpenteis	36 12	20 3	71.8	0.21	5.0... 5.0	1902.54	Hu 2	
7361	OZ (App) 141	Rad ^r . 3435	36 12	57 51	205.8	91.82	7.0... 9.0	1876.28	Δ 3	
7362	Z 1972	† Urae Minoris	36 13	80 51	82.9	30.15	6.1... 7.0	1832.60	Z 5	Yel'sk
7363	Perry	DM (31°) 2765	37 5	31 51	121.0	3.1	8.5... 14	1881.40	P 1	
7364	Z 1971 rej.	DM (75°) 572	37 13:	75 43	....	Cl. III	8-9... 10	....	Z	From Cat. Nov.
7365	A 19	SD (5°) 4151	37 19	— 5 19	339.6	1.26	9.1... 9.2	1899.53	A 3	(A. N. 3635)
7366	Hu 654	SD (19°) 4203	37 26	—19 20	355.4	0.95	9.0... 9.0	1902.47	Hu 3	
7367	β 619	Serpenteis 55	37 34	14 3	359.7	0.58	6.5... 7.0	1878.35	β 2	
7368	Z 1967	† Coronae	37 42	26 41	111.0	0.72	4.0... 7.0	1826.75	Z 2	Greenish wh.: purple
7369	H 2790	....	37 52	20 17	168.6	12±	11 = 11	1830+	H	
7370	Hu 655	SD (16°) 4154	38 11	—16 20	31.5	2.19	8.5... 12.3	1902.47	Hu 3	
7371	Z 3095	W ^r XIV ^h . 705	38 15	—14 48	349.7	2.85	8.3... 9.8	1831.35	Z 3	8.3 wh.
7372	H 1277	† Serpenteis	38 21	6 48	2±	50±	2 ... 14-15	1828+	H	
7373	Hu 478	SD (14°) 4274	38 36	—14 20	337.7	4.12	9.0... 11.3	1902.40	Hu 3	(Bul. L. O. No. 21)
7374	β 620	O. Arg. S. 14842	38 54	—27 41	166.8	0.86	7.5... 7.5	1878.38	β 1	A and B }
					214.8	40±	8 ... 9	1836.7	H	AB and C }
7375	Z 1969	DM (60°) 1629	39 1	60 22	43.4	1.46	8.0... 8.7	1831.87	Z 3	Yel'sk wh.
7376	Z 1968	W ^r XV ^h . 725	39 12	— 1 1	93.3	14.06	8.6... 9.6	1831.10	Z 4	
7377	A. G. 198	A. G. Alb. 5276	39 22	4 55	145.6	2.14	8.5... 9.0	1901.38	β 2	
7378	H 4804	SD (8°) 4070	39 22	— 8 59	102.4	16±	10 = 10	1835.4	H	
7379	H 572	DM (35°) 2722	39 24	35 49	280±	10±	9 ... 12	1820+	H	
7380	β 240	W ^r XV ^h . 731	39 32	4 24	135.4	2.35	8.5... 10.0	1875.90	Δ 4	A and B }
					42.1	27.88	... 11.5	1880.46	β 1	A and C }
7381	Pritchett	DM (36°) 2640	40 12	35 59	45.1	3.94	....	1881.52	Pt 1	
7382	Z 1980	Rad ^r 2358	40 22	81 27	53.9	10.01	8.5... 9.0	1832.29	Z 2	Very wh.
7383	H 2791	DM (39°) 2909	15 40 28	38 55	122.0	10±	9 ... 14	1830+	H	(See p. 1077)

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
7384	H 1278	SD (15°) 4186	15 ^h 40 ^m 29 ^s	-15° 48'	140° ±	25' ±	8-9...10-11	1828+	H	
7385	H 4807	SD (20°) 4323	40 30	-20 52	357.3	12 ±	8 ... 15	1836.5	H	
7386	Σ 1970	β <i>Serpentis</i>	40 39	15 48	265.0	30.64	3.0... 9.2	1832.14	Z 4	3.0 bluish wh.
7387	Innes 90	Lac. 6530	40 43	-25 37	10 ±	1 ±	7.4...10.4	1896.7	I 1	
7388	Ho 396	....	41 3	-22 50	171.9	1.91	9.7... 9.7	1892.01	Ho 2	
7389	Σ 3096	SD (4°) 3976	41 33	- 4 57	85.6	3.15	9.0... 9.0	1831.35	Z 3	
7390	Σ 1975 rej.	O. Arg. N. 15634	41 46	67 27	....	Cl. IV	7 ... 11	....	Z	
7391	Σ 1973	DM (36°) 2645	41 56	36 49	323.4	30.59	7.3... 8.5	1829.41	Z 3	White
7392	OZ 301	Rad'. 3448	42 8	42 50	30.4	3.93	7.0...10.6	1849.07	OZ 4	7.0 yel.
7393	Hu 657	DM (51°) 2028	42 16	51 3	122.3	0.54	8.5... 8.8	1904.31	Hu 2	
7394	Σ 1976	O. Arg. N. 15638	42 33	59 48	71.8	18.81	8.2... 8.2	1831.12	Z 3	White
7395	A 20	SD (4°) 3982	42 56	- 4 36	232.9	0.77	8.0...11.1	1899.60	A 3	A and B } (A. N. 3635)
					24.9	7.72	...14	1899.57	A 3	A and C }
7396	Σ 1974	L 28787	42 56	- 2 52	166.0	2.61	8.5... 8.7	1831.35	Z 3	White
7397	Hu 152	DM (52°) 1905	43 41	52 21	246.8	3.53	7.8...11.5	1900.47	Hu 3	(A. J. 485)
7398	Σ 3126	W ^r XV ^b . 818	43 49	- 2 49	282.3	2.44	9.2... 9.2	1833.40	Z 3	
7399	H 573	DM (41°) 2638	44 19	40 59	80.1	15 ±	10 ... 11	1830+	H	
7400	Σ 3097	W ^r XV ^b . 830	44 26	- 8 40	181.0	3.97	8.8... 9.2	1831.35	Z 3	
7401	Σ 1977	L 28864	44 29	25 50	357.5	14.05	7.7... 9.7	1831.60	Z 2	7.7 yel'sh
7402	β 946	B. A. C. 5248	44 44	55 45	152.0	1.31	5.2...10.9	1879.28	β 3	
7403	Ho 397	Ord. G. C. 21489	44 48	-29 31	88.1	29.28	6.5...13	1892.01	Ho 2	
7404	β 415	O. Arg. N. 15675	44 50	65 57	336.8	12.72	8.5...11.5	1876.39	A 1	A and B }
					357.6	30.82	...12.0	1876.39	A 1	A and C }
7405	A 21	SD (5°) 4182	45 18	- 5 37	181.2	0.54	8.5...10.2	1899.57	A 3	(A. N. 3635)
7406	Hu 153	SD (12°) 4353	45 19	-12 10	79.7	0.33	7.8... 8.0	1900.43	Hu 3	(A. J. 485)
7407	Σ 1978	DM (15°) 2919	45 22	15 2	235.2	15.25	8.5... 9.0	1831.37	Z 2	White
7408	Σ 1979	L 28888	45 26	22 50	247.4	9.42	8.5... 9.1	1832.05	Z 4	White
7409	H 2792	....	45 28	31 36	358.0	12 ±	11 ... 12	1830+	H	
7410	Skinner 9	SD (16°) 4169	45 32	-16 52	274.1	2.01	8.5... 8.7	1901.46	β 2	
7411	H 574	W ^r XV ^b . 1109	45 35	32 46	268 ±	7 ±	9 ... 11	1820+	H	
7412	H 1279	....	45 45	- 5 32	175 ±	15 ±	10 ... 13	1828+	H	
7413	Σ 1982	DM (43°) 2532	45 48	43 9	301.2	4.68	8.7... 8.9	1831.56	Z 4	White
7414	β 621	W ^r XV ^b . 1130	45 55	44 53	75.1	0.5 ±	7.5... 8.0	1878.48	β 1	
7415	Σ 1981 rej.	DM (25°) 2980	46 13	25 29	....	III-IV	8 ... 10	....	Z	From Cat. Nov.
7416	Σ 1989	π ^r <i>Ursae Minoris</i>	46 13	80 20	24.1	0.71	7.1... 8.1	1832.68	Z 3	Very wh.
7417	H 2793	....	46 20	8 26	141.4	4 ±	13 = 13	1830+	H	"Among several"
7418	β 36	2 <i>Scorpii</i>	46 24	-24 58	277.6	2.47	6.0... 8.0	1877.37	Cin 1	
7419	Ho 398	DM (0°) 3420	46 36	0 0	36.4	8.62	8.5...12.0	1892.01	Ho 2	
7420	H 2794	W ^r XV ^b . 1136	46 44	20 37	113.2	25 ±	9 ... 11	1830+	H	A and B } Very diffi-
					64.3	25 ±	...17	1830+	H	A and C } cult. (See p. 1077)
7421	β 810	W ^r XV ^b . 1156	46 55	42 50	93.2	1.09	8.5...11.2	1881.32	β 3	
7422	Σ 1983	DM (35°) 2739	47 27	35 49	77.0	17.44	8.7...10.8	1830.60	Z 3	8.7 yel.
7423	H 2795	....	47 28	31 41	21.3	10 ±	11 = 11	1830+	H	
7424	Hu 747	DM (20°) 3162	47 34	20 22	114.2	2.43	9.0...13.0	1904.27	Hu 1	
7425	Σ 3099	W ^r XV ^b . 887	47 55	-13 20	112.2	1.88	8.7... 9.9	1831.10	Z 4	
7426	H 575	....	47 56	40 45	210 ±	8 ±	12 = 12	1820+	H	
7427	H 2796	....	47 57	19 53	145.0	13 ±	10-11...13	1830+	H	
7428	Σ 1984	DM (53°) 1816	48 1	53 16	273.8	6.53	6.2... 8.5	1830.72	Z 4	6.2 wh.
7429	H 1280	DM (39°) 2929	48 43	39 33	350 ±	18 ±	9 ... 12	1828+	H	
7429½	A. G. 199	DM (52°) 1913	48 47	52 55	255.2	9.30	8.8... 8.9	1900.37	Es 2	
7430	Σ 3100	SD (8°) 4105	49 2	- 8 32	248.6	5.89	8.9...10.7	1831.17	Z 5	
7431	See 251	ρ <i>Scorpii</i>	49 29	-28 52	98.3	38.41	3.2...13.7	1897.48	See 1	
7432	H 4820	O. Arg. S. 15039	49 30	-30 36	146.0	20 ±	9 ... 9+	1837.5	H	
7433	Σ 1985	W ^r XV ^b . 917	49 42	- 1 49	326.6	5.42	7.0... 8.1	1831.95	Z 4	Yel'sh wh.; ash
7434	Σ 1986	DM (10°) 2925	49 46	10 27	94.4	14.39	8.2... 8.8	1831.33	Z 3	White
7435	H 2797	DM (30°) 2724	15 50 12	30 13	93.4	18 ±	10 = 10	1830+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
7436	Hu 658	DM (51°) 2038	15 ^h 50 ^m 13 ^s	51° 48'	340° 0	2.38	8.3...13.0	1904.31	Hu 2	
7437	H 1281	L 28977	50 17	-15 41	215±	18±	6-7...20	1828+	H	
7438	OZ 302	L 29039	50 22	34 43	51.2	28.61	7.0... 9.0	1846.54	OZ 3	
7439	Ho 399	L 29040	50 35	29 53	117.5	2.31	7.5...10.0	1891.49	Ho 2	
7440	Z 1988	W ^a XV ^b . 950	51 8	12 50	266.3	2.91	7.5... 8.2	1830.05	Z 3	Very wh.
7441	Z 1987	P XV ^b . 220	51 15	3 45	324.0	10.27	7.2... 8.7	1831.91	Z 2	White; ash
7442	W VI. 94	λ Coronae	51 25	38 18	56.8	95.23	....	1783.65	W 1	
7443	H 2798	....	51 35	17 48	35.4	6±	11 ...11+	1830+	H	
7444	β 622	π Scorpii	51 36	-25 46	132.6	49.99	6 ...12	1878.40	β 1	
7445	H 2799	W ^a XV ^b . 1262	51 39	20 23	315±	15±	8 ...18	1830+	H	"Est. from diagram"
7446	A 22	SD (2°) 4080	51 44	- 2 49	218.8	4.88	8.7...13.0	1899.50	A 2	(A. N. 3635)
7447	H 1282	DM (-1°) 3121	52 2	- 1 15	132±	10±	10 ...12	1828+	H	
7448	Z 1997 rej.	DM (78°) 530	52 10:	78 7	....	III-IV	8-9...10-11	....	Z	From Cat. Nov.
7449	Sh 213	SD (19°) 4275	52 10	-19 36	322.2	19.89	7½... 7½	1823.38	Sh 1	
7450	H 577	W ^a XV ^b . 1294	52 21	35 51	23±	6±	9 ...10	1820+	H	
7451	H 258	DM (36°) 2667	52 26	36 33	255±	15±	9 ...10	1820+	H	
7452	H 2800	DM (30°) 2727	52 33	30 24	220.8	15±	9 ...11-12	1830+	H	
7453	A. G. Clark 7	ε Coronae	52 37	27 14	352.7	2.17	4 ...12	1877.62	H1 4	
7454	Z 3101	L 29070	52 39	- 2 44	60.3	2.04	8.2... 8.5	1831.85	Z 4	Yell'ish wh.
7455	H 578	....	52 50	32 52	170±	3-4	14 ...15	1820+	H	"Very delicate"
7456	H 1283	....	52 54	0 55	130±	15±	10 ...11	1828+	H	
7457	See 255	O. Arg. 8. 15096	52 55	-25 50	20.7	11.95	7.2...14	1897.54	Cg 1	A and B }
					342.4	15.77	... 9.2	1897.54	Cg 1	A and C }
7458	Hu 125	SD (19°) 4276	53 9	-20 4	289.0	3.06	9.5...10.0	1889.48	Com 3	
7459	Z 1991	DM (42°) 2653	53 21	42 0	202.1	3.12	8.2... 9.5	1831.55	Z 3	8.2 wh.
7460	Z 1996	O. Arg. W. 15785	53 26	57 38	109.4	19.15	8.7... 9.0	1830.36	Z 3	Yell'ish
7461	Z 1990	DM (22°) 2905	53 43	22 8	59.0	56.17	8.0... 8.5	1832.50	Z 2	A and B }
					209.0	3.84	... 8.5	1831.54	Z 3	C and B } 8.0 yell'ish
7462	Hu 126	SD (20°) 4379	53 45	-20 6	35.7	2.31	9.0...11.0	1889.46	Com 2	
7463	See 257	Cord. 15 ^b . 3750	53 49	-28 0	338.7	6.82	7.2...12	1897.54	Cg 1	
7464	Z 2002 rej.	DM (83°) 452	54 :	83 39	....	Cl. IV	8 ... 9	....	Z	From Cat. Nov. (See p. 1077)
7465	See 260	Cord. 15 ^b . 3786	54 20	-28 7	21.5	6.70	7.9... 9	1897.54	Cg 1	
7466	Z 1993	W ^a XV ^b . 1331	54 22	17 43	37.7	33.96	8.2... 8.2	1831.76	Z 3	White
7467	See 261	Cord. 15 ^b . 3794	54 25	-27 58	14.6	10.73	8 ...14	1897.54	Cg 1	
7468	H 1284	....	54 31	- 0 9	190±	16±	10 ...14	1828+	H	
7469	Z 1994 rej.	....	54 31:	17 40:	....	Cl. IV	8 ...10	....	Z	
7470	H 4826	Cord. DM (29°) 12193	54 36	-29 22	78.1	2±	10 = 10	1834.3	H	
7471	Z 1992	W ^a XV ^b . 1012	54 36	12 1	329.9	5.71	8.7... 9.2	1831.33	Z 3	White
7472	β 623	L 29127	54 51	- 6 38	238.4	0.97	8.0... 9.0	1878.45	β 1	
7473	Ho 400	W ^a XV ^b . 1359	54 54	16 1	132.9	9.82	8.0...13	1893.48	Ho 2	
7474	Z 1995	DM (15°) 2941	54 54	14 57	309.6	16.02	8.3... 9.3	1831.41	Z 3	8.3 wh.
7475	Hu 659	DM (49°) 2443	55 3	49 19	243.2	0.40	9.0...11.0	1904.31	Hu 2	
7476	β 37	Cord. DM (24°) 12474	55 15	-24 15	39.1	2.85	8.5... 9.5	1879.39	Cin 1	
7477	OZ 303	L 29160	55 18	13 37	111.4	0.60	7.4... 7.9	1846.78	OZ 3	
7478	β 38	L 29136	55 39	-24 41	350.4	4.08	8.0...10.5	1877.53	Cin 1	
7479	W V. 75	DM (26°) 2767	56 5	26 30	106.0	41.20	....	1783.22	W 1	
7480	S 676	ρ Coronae	56 28	33 40	125.1	79.19	6 ...15	1825.48	S 3	
7481	H 579	DM (38°) 2719	56 30	38 6	95±	15±	9 ...11	1820+	H	
7482	OZ 304	L 29226	56 40	39 31	173.8	10.73	6.5...10.7	1847.44	OZ 3	
7483	A. G. 200	A. G. Lund 6593	56 56	39 56	210.9	3.21	9.3... 9.5	1904.29	β 2	
7484	Z 2001	DM (42°) 2663	57 10	42 10	169.6	11.57	8.7...10.5	1829.66	Z 2	
7485	Hu 154	DM (54°) 1787	57 28	54 18	270.3	1.46	7.8...11.8	1900.47	Hu 3	(A. J. 485)
7486	Z 2000	DM (14°) 2984	57 28	14 20	230.1	2.52	8.2... 9.0	1830.05	Z 3	White
7487	Z 1998	ξ Scorpii	57 46	-11 3	356.0	1.15	4.9... 5.2	1825.47	Z 3	A and B } AB yell'ish wh.
					78.6	6.75	... 7.2	1825.48	Z 4	AB and C } C yell'ish wh.
7488	Z 1999	W ^a XV ^b . 1064	15 57 50	-11 7	102.2	10.47	7.4... 8.1	1831.14	Z 7	Wh.: yell'ish wh.

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
7489	Σ 2003	L 29248	15 ^h 58 ^m 0 ^s	11° 46'	171.1	13.96	7.0...11.0	1831.31	Z 2	7.0 <i>yel.</i>
7490	Σ 2006	DM (59°) 1694	58 1	59 16	204.5	1.61	7.5... 9.2	1830.95	Z 3	A and B } AB A and C } <i>yel'sk:</i> <i>wh.</i>
					223.7	43.54	... 7.7	1830.62	Z 2	
7491	Σ 2004	L 29282	58 21	29 11	278.4	1.76	8.7... 9.7	1830.87	Z 3	
7492	H 580	W ^a XV ^b . 1462	58 28	37 25	15±	18±	9 ... 12	1820+	H	
7493	β 947	β <i>Scorpii</i>	58 28	-19 29	88.4	0.91	2 ... 9.7	1880.06	β 5	A and B }
					26.5	13.65	... 6	1823.28	Sh 1	A and C }
7494	Hn 127	SD (20°) 4395	58 35	-20 10	131.1	2.00	9.0...11.5	1880.46	Com 2	
7495	β 948	<i>Librae</i> 213	59 20	- 5 58	150.5	1.46	6.8... 9.5	1879.59	β 4	A and B }
					233.7	28.54	...10.4	1879.42	β 2	A and C }
					192.7	52.27	...10.8	1879.42	β 2	A and D }
7496	H 581	DM (32°) 2670	59 40	32 45	50±	10±	10=10	1820+	H	
7497	Σ 2009	DM (60°) 1646	59 58	60 49	304.6	16.94	8.2...10.0	1830.22	Z 2	8.2 <i>yel'sk</i>
7498	β 811	W ^a XV ^b . 1500	16 0 4	22 30	221.6	3.49	8.1...12.1	1881.31	β 3	
7499	A. G. 201	DM (49°) 2452	0 12	49 17	254.8	8.19	9.3... 9.4	1900.38	Es 3	
7500	Σ 2007	DM (13°) 3064	0 27	13 39	328.2	31.97	6.5... 8.0	1830.14	Z 3	<i>Yel'sk:</i> <i>wh.</i>
7501	Σ 2013 <i>rej.</i>	DM (76°) 581	0 47	76 49	....	Cl. IV	8 ... 8	....	Z	9.1 in DM
7502	β 39	11 <i>Scorpii</i>	0 57	-12 25	256.5	3.35	6.1...10.4	1875.71	Δ 4	
7503	H IV. 115	....	1 12:	42 20:	41.2	20.9	....	1783.26	H 1	
7504	Σ 2008	W ^a XV ^b . 1145	1 21	- 2 20	58.4	8.77	8.5... 9.2	1831.85	Z 4	8.5 <i>yel'sk wh.</i>
7505	β 812	W ^a XV ^b . 1553	1 42	17 13	127.4	0.87	8.2... 8.3	1881.31	β 3	
7506	β 949	L 29365	1 54	- 9 47	197.8	0.62	7.6... 7.7	1880.25	β 4	
7507	Hu 155	SD (12°) 4431	1 58	-12 25	62.2	0.84	9.0... 9.1	1900.47	Hu 3	(A. J. 485)
7508	A. G. 202	DM (48°) 2360	2 1	47 59	284.4	21.42	9.1... 9.2	1900.41	Es 2	
7509	Glasenapp 4	....	2 6:	-27 39:	288.0	56.77	8.6... 9.8	1890.49	Gla 1	
7510	Glasenapp 5	....	2 18:	-27 38:	231.5	29.32	8.0...10.2	1890.49	Gla 1	
7511	H 4834	Cord. DM (27°) 10818	2 24	-27 48	20±	20±	9=9	1834.3	H	
7512	Weisse 30	W ^a XVI ^b . 2	2 27	20 42	224.7	12.17	8.4... 9.2	1901.36	β 2	
7513	Hu 660	SD (20°) 4417	2 34	-20 18	88.3	1.80	8.2...12.0	1902.47	Hu 3	
7514	Σ 2010	κ <i>Herculis</i>	2 40	17 22	9.6	31.21	5.0... 6.0	1832.60	Z 4	<i>Yel.</i>
7515	OS (App) 142	Rad ^a . 3499	2 45	60 22	265.9	104.84	7.2... 9.0	1875.66	Δ 3	
7516	Σ 2011	DM (29°) 2774	2 48	29 19	64.5	2.45	7.2... 9.8	1829.63	Z 3	7.2 <i>wh.</i>
7517	H 582	....	2 48	35 27	230±	10±	10 ... 15	1820+	H	
7518	H 259	....	3 :	36 8:	150±	10±	12 ... 13	1820+	H	
7519	Hd 141	....	3 :	-30 41:	353.4	4.17	6.0... 8.5	1868.67	Hd 1	
7520	H 1286	DM (7°) 3104	3 14	7 39	155±	14±	10 ... 12	1828+	H	A and B }
					215±	17±	... 15	1828+	H	A and C }
7521	Arg. 29	O. Arg. N. 15920	3 17	56 57	140.9	27.87	7.5... 8.5	1879.33	Cin 1	
7522	Σ 2020 <i>rej.</i>	O. Arg. N. 15953	3 27	76 35	....	Cl. IV	8-9...10	....	Z	
7523	A. G. 203	DM (20°) 3216	3 27	20 43	....	....	9.2...	....	....
7524	Σ 2034	Redhill 2424	3 28	83 58	115.0	1.41	7.5... 8.0	1831.86	Z 3	<i>Yel'sk</i>
7525	Σ 2012 <i>rej.</i>	L 29435	3 32	- 7 56	256.7	20±	8½...11	1836.3	H	
7526	Ho 550	W ^a XVI ^b . 61	3 50	25 15	301.4	14.70	8.5...12.7	1897.51	Ho 2	(A. N. 3557)
7527	β 355	L 29506	4 14	45 42	279.3	0.34	7.8... 8.0	1876.34	Δ 5	A and B }
					316.0	26.88	... 12	1905.68	β 1	AB and C }
7528	Hu 156	SD (11°) 4086	4 16	-11 45	84.9	3.02	8.8...12.2	1900.40	Hu 3	(A. J. 485)
7529	Σ 2014	DM (40°) 2971	4 28	40 22	91.0	8.19	7.8...10.3	1830.35	Z 3	7.8 <i>yel'sk wh.</i>
7530	β 40	O. Arg. S. 15343	4 29	-27 14	352.7	5.02	8.0... 9.5	1877.00	Cin 2	
7531	β 1087	τ <i>Coronae</i>	4 35	36 48	169.1	3.11	5.5...13.8	1889.21	β 3	
7532	H 4839	12 <i>Scorpii</i>	4 51	-28 6	84.5	3±	7½...10	1834.3	H	
7533	β 120	ν <i>Scorpii</i>	5 1	-19 9	360.0	0.73	4.2... 6.7	1876.35	Δ 8	A and B }
					39.0	1.11	7.0... 8.0	1846.58	Mh 2	C and D }
					334.9	38.33	....	1782.30	H 1	AB and C }
7534	Σ 2015	DM (45°) 2377	5 10	45 40	159.3	2.68	7.7... 8.8	1829.99	Z 3	<i>Very wh.:</i> <i>bluish wh.</i>
7535	OS (App) 143	Rad ^a . 3509	5 15	70 35	84.4	46.91	6.3... 8.2	1875.66	Δ 3	
7536	Hu 479	DM (21°) 2880	16 5 32	21 3	259.0	1.97	8.6...12.8	1902.40	Hu 3	(Bul. L. O. No. 21)

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
7537	H 1288	SD (16°) 4246	16 ^h 5 ^m 50 ^s	-16° 26'	130° ±	15" ±	10 ... 11	1828+	H	
7538	Glasenapp 6	....	5 53:	-27 22:	281.5	46.11	9.2... 9.4	1890.52	Gla 1	From Glasenapp (1)
7539	H 1289	....	6 24	39 47	65 ±	6 ±	10-11=10-11	1828+	H	
7540	Σ 2016	W ⁺ XVI ^b . 85	6 28	12 13	148.9	6.91	8.3... 9.7	1830.76	Σ 3	8.3 wh.
7541	H 583	....	6 28	36 23	310 ±	5 ±	11 ... 14	1820+	H	
7542	Σ 2017	DM (14°) 3012	6 37	14 52	249.7	25.03	7.7... 8.4	1831.42	Σ 6	YeFsh: wh.
7543	OZ 307 rej.	O. Arg. N. 15977	7 1	48 7	201.4	17.77	7.2... 10.2	1851.73	Ma 1	7.2 yel.
7544	OZ 305	L 29584	7 5	33 39	262.1	5.32	5.8... 9.8	1852.34	OZ 5	5.8 very yel.
7545	Σ 2018 rej.	SD (7°) 4234	7 10	-7 20	355.4	19.49	8.4... 9.1	1901.40	β 3	
7546	OZ 306	L 29594	7 19	34 42	55.9	0.37	7.2... 8.7	1846.56	OZ 4	
7547	Ho 551	W ⁺ XVI ^b . 191	7 27	26 44	81.0	6.37	7.5... 12	1897.51	Ho 3	(A. N. 3557)
7548	H 260	....	7 29:	37 43:	45 ±	15 ±	10 ... 11	1820+	H	
7549	Σ 2025	L 29630	7 39	47 52	164.3	2.77	7.6... 10.9	1830.64	Σ 4	7.6 yel'sh
7550	Σ 2019 rej.	SD (10°) 4276	7 42	-10 7	109.2	19.11	9 ... 12	1862.7	....
7551	Σ 2021	49 Serpenteis	7 42	13 51	315.5	3.20	6.7... 6.9	1829.48	Σ 3	White
7552	Σ 2022	DM (27°) 2603	7 48	26 59	129.5	2.77	6.2... 9.8	1830.56	Σ 3	6.2 very wh.
7553	Σ 2024 rej.	Herculis 32	7 49	42 41	....	CL IV	6 ... 11	....	Σ	
7554	Σ 2023	DM (5°) 3169	8 36	5 50	235.9	1.55	8.0... 9.0	1832.41	Σ 4	Yel'sh
7555	Σ 2030	DM (41°) 2680	8 38	41 5	238.4	5.48	7.5... 10.8	1831.53	Σ 3	7.5 wh.
7556	Σ 2029	DM (29°) 2792	8 58	29 2	187.5	6.29	7.5... 9.3	1830.87	Σ 3	7.5 wh.
7557	H 1290	....	9 7	-0 28	105 ±	10 ±	10 ... 11	1828+	H	
7558	Σ 2027	DM (4°) 3144	9 19	4 34	75.2	1.98	8.2... 8.2	1831.38	Σ 3	White
7559	See 270	Lac. 6766	9 22	-29 27	138.6	8.31	7 ... 13.7	1897.53	Cg 1	
7560	Ho 401	Ord. G. C. 22050	9 39	-34 31	294.3	4.34	7.2... 8.0	1891.99	Ho 2	
7561	Σ 2026	W ⁺ XVI ^b . 161	10 5	7 41	345.9	2.54	8.6... 9.1	1830.94	Σ 4	Yel.
7562	Σ 2031 rej.	L 29649	10 9	-1 21	229.9	20.77	7.6... 9.7	1901.39	β 3	
7563	Σ 2032	σ Coronae	10 11	34 10	89.3	1.31	5.0... 6.1	1827.02	Σ 4	A and B
					234.1	21.19	... 12.5	1851.71	OZ 2	A and C } AB
					88.8	43.75	... 10.5	1836.69	Σ 3	A and D } yel'sh: bluish
7564	Hu 480	DM (20°) 3233	10 16	20 2	250.1	1.59	9.0... 10.2	1902.40	Hu 3	(Bul. L. O. No. 21)
7565	Σ 2036	DM (72°) 717	10 29	72 52	235.3	2.01	8.8... 10.3	1832.28	Σ 3	A and B } 8.8 wh.
					339.6	12 ±	... 16	1831+	H	A and C }
7566	H 2801	DM (39°) 2964	10 32	39 12	217.2	20 ±	9-10... 11-12	1830+	H	
7567	H 585	W ⁺ XVI ^b . 319	11 18	35 56	....	....	....	1820+	H	
7568	A 348	A. G. Liden 5741	11 19	29 54	120.4	0.92	8.2... 10.5	1902.68	A 2	(Bul. L. O. No. 29)
7569	A 23	SD (7°) 4254	11 27	-7 6	71.7	1.73	9.0... 9.4	1899.55	A 3	(A. N. 3635)
7570	Sh 223	ν Coronae	11 56	29 27	29.5	55.98	3 ... 12.0	1879.32	β 2	A and B
					24.5	88.69	... (13)	1823.36	Sh 2	A and C
					54.9	126.42	... (12)	1823.36	Sh 2	A and D
					222.7	13.23	... 10.5	1879.32	β 2	C and E
7571	Σ 2033	W ⁺ XVI ^b . 195	11 56	-1 59	175.6	10.65	8.5... 8.7	1829.38	Σ 3	Very wh.
7572	....	O. Arg. S. 15496	11 57	-30 37	324.3	35 ±	6½... 7	1837.5	H	
7573	H 1291	DM (42°) 2690	12 19	42 0	130 ±	14 ±	9 ... 11	1828+	H	
7574	Hu 311	SD (16°) 4269	12 50	-16 12	316.4	1.16	8.5... 12.2	1901.59	Hu 2	(Bul. L. O. No. 12)
7575	Sh 225	P XVI ^b . 45	13 4	-19 46	335.0	47.12	7 ... 7½	1823.42	Sh 3	
7576	Σ 2035	L 29750	13 11	26 9	34.3	2.68	8.7... 10.9	1831.00	Σ 4	
7577	Hu 128	O. Arg. S. 15527	13 16	-18 7	248.8	2.07	9.0... 10.1	1889.11	Com 3	
7578	Σ 2037	DM (17°) 2999	13 26	17 42	238.2	1.56	9.0... 9.0	1830.76	Σ 3	
7579	Sh 226	P XVI ^b . 48	13 29	-19 50	20.5	13.28	8 ... 8½	1823.45	Sh 2	
7580	H 584	DM (39°) 2975	13 34	39 32	260 ±	12-15	9 ... 12	1820+	H	
7581	Sh 224	σ Scorpii	13 54	-25 18	271.2	20.59	5 ... 10	1822.43	Sh 3	
7582	Ku 52	DM (11°) 2962	14 4	11 11	50.1	9.55	9.6... 11.0	1902.48	Ku 1	Kustner (382)
7583	Σ 3103 rej.	W ⁺ XVI ^b . 480	14 24	-3 40	304.1	24.37	8.8... 9.7	1901.40	β 2	
7584	Hu 157	SD (12°) 4487	14 48	-12 4	263.3	1.25	9.0... 9.2	1900.50	Hu 4	(A. J. 485)
7585	A 225	A. G. Camb. 7592	14 55	27 4	106.9	0.18	9.1... 9.2	1901.71	A 3	
7586	β 1297	SD (22°) 4158	16 15 10	-22 21	138.4	1.91	8.7... 9.5	1901.39	β 3	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
7587	OZ 309	L 29815	16 ^h 15 ^m 15 ^s	41° 57'	236° 4	0.52	7.5... 7.7	1846.90	OZ 4	7.5 <i>yel.</i>
7588	H 4847	....	15 22	-30 47	222.1	6±	10 = 10	1834.6	H	"Very neat star"
7589	Σ 2041	DM (1°) 3212	15 33	1 31	4.4	3.06	7.3... 10.5	1831.46	Z 3	7.3 <i>yel.</i> (= OZ 308)
7590	β 624	O. Arg. 8. 15565	15 42	-22 50	321.7	1.12	8.0... 9.7	1878.47	β 2	
7591	Hn 481	DM (23°) 2924	16 8	23 16	227.5	0.51	7.3... 9.2	1902.49	Hu 3	(<i>Bul. L. O. No. 81</i>)
7592	β 1198	τ <i>Herculis</i>	16 8	46 36	145.3	6.57	4 ... 13.9	1890.35	β 4	
7593	....	SD (3°) 3929	16 14	-3 58	22.4	99.83	7.6... 8.7	1901.39	β 2	
7594	A 24	SD (7°) 4274	16 23	-7 4	329.3	1.22	9.0... 11.0	1899.58	A 3	(<i>A. N. 3635</i>)
7595	Hu 66a	DM (51°) 2077	16 37	51 51	224.2	4.16	8.5... 12.5	1904.31	Hu 2	
7596	Sh 227	γ <i>Herculis</i>	16 38	19 26	243.8	38.32	3.5... 9.5	1821.85	Sh 2	<i>White: bluish</i>
7597	Ho 402	SD (12°) 4497	16 47	-12 52	227.9	9.08	8.5... 12.0	1893.03	Ho 2	
7598	Hu 48a	DM (22°) 2962	16 56	22 35	149.9	1.31	9.0... 13.8	1902.49	Hu 3	(<i>Bul. L. O. No. 81</i>)
7599	H 4850	B. A. C. 5464	17 7	-29 25	352.1	4±	7 ... 7½	1834.3	H	
7600	H 4851	....	17 7	-22 45	96.9	15±	8 ... 11	1837.2	H	
7601	Ho 403	SD (12°) 4501	17 13	-12 54	166.4	3.50	8.0... 13	1903.03	Ho 2	
7602	Σ 2039 <i>rej.</i>	W ¹ XVI ^h . 480	17 15	25 1	10.1	17.98	8.4... 10.3	1904.26	β 1	
7603	β 41	DM (61°) 1583	17 26	61 44	58.9	2.44	9.0... 10.7	1875.37	β 3	
7604	Σ 2038 <i>rej.</i>	DM (2°) 3091	17 29	2 30	214.2	16.45	8.6... 10.4	1901.46	β 2	
7605	Σ 2040	DM (14°) 3042	17 33	14 7	313.8	6.56	8.0... 10.0	1831.91	Z 4	8.0 <i>very wh.</i>
7606	H ¹ V. 81	....	17 42	34 13	220±	....	....	1795.22	H ¹	
7607	Hn 129	SD (17°) 4564	17 47	-18 3	124.3	2.59	9.8... 11.0	1889.15	Com 2	
7608	Σ 29, App. I	1 st and 2 nd <i>Coronae</i>	17 50	34 5	236.6	66.39	... 10.5	1879.30	β 1	A and a
					165.5	371.88	4.8... 5.1	1835.68	Z 5	A and B
					15.6	104.56	... 10.0	1879.29	β 2	B and b
7609	β 1115	L 29840	18 13	-23 11	26.3	0.90	8.1... 9.2	1889.39	β 4	
7610	See 277	Lac. 6837	18 16	-29 39	202.5	0.42	8.0... 9.1	1897.56	See 2	
7611	Ho 404	Cord. G. C. 22343	18 19	-34 42	103.7	1.09	8.2... 9.0	1892.01	Ho 2	(<i>A. N. 3234</i>)
7612	H ¹ V. 38	23 <i>Herculis</i>	18 20	32 37	21.3	36.45	....	1783.02	H ¹	
7613	Sh 228	5 <i>Ophiuchi</i>	18 23	-23 10	2.5	4.06	8 ... 9	1822.45	Sh 1	A and B
					1.0	152.00	....	1846.21	J 1	A and C
					253.8	161.00	....	1846.21	J 1	A and D
7614	See 278	Cord. G. C. 22249	18 24	-30 57	317.5	0.63	8.8... 8.8	1897.54	Cg 1	
7615	Σ 2045	DM (61°) 1587	18 39	61 47	183.1	2.47	8.0... 9.2	1832.35	Z 3	8.0 <i>yel'sh wh.</i>
7616	Ku 53	DM (38°) 2765	18 39	38 33	49.4	5.47	9.7... 10.1	1901.47	Ku 2	Kustner (382)
7617	β 950	SD (9°) 4381	18 41	-9 35	355.1	1.18	8.2... 9.3	1880.50	β 5	
7618	A 25	A. G. Berlin 5594	18 46	20 40	112.4	5.06	7 ... 10	1896.47	A 3	
7619	β 951	W ¹ XVI ^h . 543	18 59	33 38	57.3	0.98	8.2... 8.7	1879.32	β 2	
7620	Hu 130	SD (18°) 4283	19 31	-18 13	0.3	1.13	10 ... 10	1889.46	Com 1	
7621	Σ 2047	DM (47°) 2334	19 41	47 54	333.2	2.28	7.5... 8.0	1829.71	Z 3	<i>White</i>
7622	O. Stone 32	O. Arg. 8. 15637	19 49	-26 55	344.0	9.09	8.0... 11.0	1880.42	Cin 1	
7623	Σ 2046	DM (64°) 1124	19 50	64 39	224.0	7.84	8.5... 9.3	1831.31	Z 3	
7624	β 625	ω <i>Herculis</i>	19 53	14 19	176.8	1.91	5.0... 12.0	1879.21	β 3	A and B
					103.5	33.89	... 11.5	1879.05	β 4	A and C
7625	Σ 2044	W ¹ XVI ^h . 572	19 54	37 19	346.9	8.54	7.8... 8.0	1830.03	Z 3	<i>White</i>
7626	Σ 2042 <i>rej.</i>	DM (6°) 3225	19 56	5 59	108.9	20.35	8.3... 11.1	1901.39	β 3	
7627	Σ 2043	DM (17°) 3022	20 4	17 35	86.7	9.85	7.7... 11.0	1830.80	Z 3	
7628	Ho 405	W ¹ XVI ^h . 584	20 16	36 48	342.2	3.42	9.0... 12.0	1892.53	Ho 2	A and B
					328.4	13.76	... 12.0	1892.53	Ho 2	A and C
7629	Hn 158	SD (11°) 4140	20 26	-11 49	134.5	0.46	8.8... 9.0	1900.50	Hu 3	(<i>A. J. 485</i>)
7630	OZ 310	W ¹ XVI ^h . 616	21 11	38 11	221.3	2.99	7.6... 10.2	1854.34	OZ 4	
7631	....	α <i>Scorpii</i>	22 3	-26 10	272.9	2.64	1 ... 7.1	1847.07	Mh 16	<i>Red: green</i>
7632	Σ 2034	<i>Draconis</i> 99	22 12	61 58	7.4	0.90	5.7... 6.9	1832.22	Z 6	<i>Yel'sh</i>
7633	Σ 2048	P XVI ^h . 88	22 20	-7 52	302.7	4.69	6.3... 9.0	1831.48	Z 3	6.3 <i>yel'sh</i>
7634	OZ 312	γ <i>Draconis</i>	22 22	61 47	144.0	4.66	2.1... 8.1	1843.71	OZ 5	2.1 <i>yel.</i>
7635	A 226	A. G. Camb. 7657	16 22 25	27 9	110.2	0.98	8.9... 13.4	1901.73	A 2	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
7636	H 5	L 29996	16 ^h 22 ^m 34 ^s	21° 10'	298° 8	1 ^s 52	... 11.0	1887.59	H 5 1	A and B } AC=
					183.8	13.56	7.5... 10.3	1845.86	O 5 2	AB and C } O 5 312
7637	Σ 2049	DM (26°) 2845	22 58	26 15	215.2	1.07	6.5... 7.5	1829.61	Σ 3	White
7638	β 813	W ² XVI ^h . 661	23 2	26 48	165.4	0.96	8.4... 8.4	1881.30	β 3	
7639	β 814	W ² XVI ^h . 676	23 9	40 9	322.6	0.36	8.4... 8.7	1881.38	β 3	
7640	β 815	W ² XVI ^h . 686	23 16	43 11	348.4	6.42	8.1... 10.4	1881.30	β 3	
7641	H 4859	....	23 19	-28 4	274.5	12±	10 = 10	1834.3	H	
7642	Σ 2052	Herculis 71	23 37	18 40	109.7	2.98	7.5... 7.5	1829.52	Σ 3	White
7643	Σ 2053 <i>rej.</i>	DM (31°) 2853	23 42	31 24	352.0	21.43	8.9... 9.6	1903.40	β 2	
7644	Σ 2051	L 30022	23 44	10 51	18.9	13.46	7.1... 8.6	1832.25	Σ 4	Yel'ish: bluish
7645	Σ 3104	L 30000	23 45	-14 17	226.2	8.99	8.5... 10.0	1832.13	Σ 4	
7646	Σ 2050	W ² XVI ^h . 424	24 7	-12 52	216.7	5.35	8.0... 9.3	1831.93	Σ 3	8.0 yel'ish
7647	H 261	....	24 8:	37 40:	88±	15±	10 ... 11	1820+	H	
7648	β 626	φ Ophiuchi	24 16	-16 21	35.9	32.46	4 ... 12.5	1878.41	β 2	
7649	Σ 2055	λ Ophiuchi	24 52	2 15	331.8	0.84	4.0... 6.1	1825.51	Σ 3	Yel.: bluish
7650	Hu 663	DM (51°) 2105	24 59	51 51	235.7	2.98	7.0... 11.8	1903.31	Hu 2	
7651	Σ 3105	W ² XVI ^h . 447	25 21	-6 46	57.5	0.62	7.7... 7.7	1835.62	Σ 1	Yel'ish
7652	Σ 2066	DM (76°) 605	25 33	76 36	58.4	4.97	9.0... 9.0	1832.59	Σ 3	White
7653	Hu 748	DM (51°) 2106	25 40	51 40	83.4	6.04	6.2... 12.8	1904.31	Hu 2	
7654	Sh 233	DM (8°) 3216, 3215	25 43	8 33	72.5	59.54	7 ... 8	1823.43	Sh 2	White: blue
7655	Σ 2056	W ² XVI ^h . 458	25 44	5 42	318.1	6.04	7.9... 9.0	1831.92	Σ 4	Wh.: ash
7656	Ho 64	DM (28°) 2578	25 58	28 0	109.7	4.45	9.7... 9.7	1884.00	Ho 2	
7657	Ho 406	W ² XVI ^h . 748	25 58	26 18	349.7	5.93	8.0... 12.8	1893.17	Ho 3	A and B }
					21.5	26.28	... 8.5	1892.48	Ho 1	A and C }
7658	Σ 2060	DM (57°) 1679	26 9	57 0	246.2	3.67	9.0... 9.0	1830.73	Σ 3	
7659	Hd Zones	L 30078	26 10	0 28	"	14±	9 ... 9-10	....	Hd	
7660	H. N. 3	....	26 18:	17 20	....	CL IV	....	1784.22	H	
7661	Σ 2057	DM (19°) 3113	26 18	19 33	264.6	4.94	9.0... 9.2	1830.76	Σ 3	
7662	Ho 407	W ² XVI ^h . 462	26 20	-10 18	217.6	14.02	7.0... 12.0	1890.49	Ho 2	
7663	Σ 2058	W ² XVI ^h . 757	26 26	19 34	345.8	1.87	9.0... 9.5	1830.96	Σ 4	
7664	Copeland	DM (61°) 1595	26 27	60 57	72.2	1.69	8 ... 8.5	1897.70	Doo 3	
7665	Σ 2059	DM (38°) 2788	26 43	38 19	209.2	1.24	8.2... 8.3	1829.72	Σ 3	White
7666	Hu 484	DM (23°) 2944	26 49	23 28	213.5	2.65	9.0... 13.2	1902.48	Hu 2	(Bul. L. O. No. 21)
7667	H 4864	SD (6°) 4457	26 49	-6 19	....	....	9½... 13... 14	1834+	H	
7668	β 816	31 Herculis	27 0	33 46	224.1	4.97	6.3... 11.8	1881.30	β 3	
7669	β 817	W ² XVI ^h . 796	27 29	23 29	147.0	1.14	8.2... 8.2	1881.31	β 4	
7670	Ho 552	W ² XVI ^h . 820	28 5	23 22	301.6	17.24	8 ... 12	1896.51	Ho 3	(A. N. 3557)
7671	Σ 2075	DM (80°) 509	28 7	80 19	309.9	1.16	8.5... 11.3	1833.25	Σ 3	
7672	Σ 2063	W ² XVI ^h . 839	28 10	45 51	194.3	16.25	5.7... 8.2	1830.84	Σ 3	5.7 wh.
7673	O 5 313	L 30190	28 30	40 22	162.1	0.80	7.2... 7.8	1847.47	O 5	
7674	Σ 2061	DM (31°) 2864	28 33	31 10	24.7	2.60	7.1... 9.9	1829.66	Σ 4	7.1 yel'ish wh.
7675	Σ 2065	DM (40°) 3031	28 36	40 14	218.7	30.49	8.0... 8.7	1830.73	Σ 3	White
7676	Σ 2062	DM (8°) 3229	28 42	8 56	112.9	2.30	8.3... 10.0	1832.14	Σ 3	
7677	β 818	32 Herculis	28 49	30 45	33.5	3.29	6.3... 13.5	1881.48	β 3	
7678	Hd 142	....	29 :	-31 15:	27.5	15.22	9.5... 13.5	1868.49	Hd 1	
7679	Σ 2064 <i>rej.</i>	DM (16°) 2972	29 7	16 28	....	CL IV	8 ... 10	....	Σ	From Cat. Nov.
7680	Σ 2067	DM (39°) 3011	29 8	39 10	300.1	2.14	8.5... 10.0	1829.45	Σ 4	
7681	H 586	....	29 11	35 16	250±	3±	11 = 11	1820+	H	
7682	Young	O. Arg. N. 16314	29 26	58 1	219.5	1.59	8 ... 9.5	1883.76	Y 1	
7683	β 356	O. Arg. N. 16336	29 42	69 12	118.8	6.85	9.2... 11.5	1876.21	β 3	
7684	H 4869	....	30 3	-30 43	59.3	10±	9 ... 9	1837.5	H	
7685	β 819	SD (4°) 4133	30 26	-4 55	230.8	1.59	8.6... 11.3	1881.44	β 3	
7686	Σ 2068	DM (47°) 2354	30 28	47 31	257.1	5.46	8.3... 8.3	1830.43	Σ 3	Very wh.
7687	Σ 2077 <i>rej.</i>	DM (76°) 609	30 29	76 45	....	CL III	8 ... 9	....	Σ	From Cat. Nov.
7688	H 4872	....	30 54	-27 34	265.5	8±	10 ... 11	1834.3	H	"The ρ of two double stars"
7689	H 4875	....	16 31 2	-27 31	275±	8±	10 ... 11	1834.3	H	"The ρ of two double stars"

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
7690	H 1292	Cord. DM (24°) 12739	16 ^h 31 ^m 3 ^s	-24° 59'	240° ±	20' ±	9 ... 9-10	1828+	H	
7691	β 952	W ^a XVI ^a . 938	31 9	37 9	146.1	3.85	8.0...10.3	1880.48	β 3	A and B }
					244.3	2.13	...13.7	1892.24	β 3	B and C }
7692	Hu 26	SD (5°) 4325	31 10	- 5 16	4.1	6.99	8.8... 9.0	1881.41	β 3	
7693	Σ 2069 <i>rej.</i>	<i>Herculis</i> 109	31 55	34 4	71.8	26.67	6.8...10.4	1901.37	β 3	
7694	A. G. 204	A. G. Alb. 5303	32 0	1 53	191.8	2.60	9.0...10.2	1902.46	M 3	
7695	Σ 2072	DM (47°) 2358	32 9	47 56	184.6	5.05	8.6... 9.7	1830.83	Σ 4	
7696	Σ 2070 <i>rej.</i>	W ^a XVI ^a . 973	32 29	19 48	....	Cl. IV	8 ...10	....	Σ	From Cat. Nov.
7697	H 4879	SD (17°) 4611	32 30	-17 30	339.9	20 ±	10 = 10	1836.4	H	"A third star 12 m. near"
7698	H 4878	Cord. DM (27°) 11061	32 44	-27 45	1.3	10 ±	9½ = 9½	1836.5	H	
7699	β 820	L 30279	33 8	- 2 52	237.6	4.24	8.0... 9.5	1881.35	β 3	
7700	Σ 2071	P XVI ^a . 136	33 16	13 55	311.6	25.12	8.7... 9.0	1830.14	Σ 3	
7701	Σ 2073 <i>rej.</i>	DM (16°) 2988	33 18	16 27	....	III-IV	8 ...10	....	Σ	From Cat. Nov.
7702	Σ 30, App. I	16 and 17 <i>Draconis</i>	33 21	53 8	14.7	90.42	5.0... 5.0	1833.39	Σ 6	White
7703	Σ 2078	17 <i>Draconis</i>	33 23	53 10	116.5	3.74	5.0... 6.0	1831.91	Σ 7	White
7704	A 26	L 30283	33 24	- 3 23	331.2	1.05	8.0...12.5	1899.62	A 3	(A. N. 3635)
7705	OΣ 314	L 30322	33 39	20 42	233.1	3.66	7.2...10.1	1851.16	OΣ 4	7.2 <i>yel'sh</i>
7706	Hu 485	DM (23°) 2968	33 45	23 0	277.6	4.56	8.8...13.0	1902.49	Hu 3	(Bul. L. O. No. 21)
7707	Hu 488	DM (23°) 2969	34 24	22 58	141.5	1.23	9.0...10.0	1902.49	Hu 3	(Bul. L. O. No. 21)
7708	Σ 2080	DM (38°) 2810	34 26	38 34	29.3	5.61	8.0...11.8	1830.39	Σ 3	8.0 <i>yel.</i>
7709	Σ 2079	DM (23°) 2970	34 31	23 14	90.9	16.81	7.1... 7.9	1831.26	Σ 5	White
7710	Σ 2076	W ^a XVI ^a . 636	34 34	0 5	328.7	9.10	8.7... 9.8	1832.09	Σ 3	White
7711	Σ 31, App. I	36 and 37 <i>Herculis</i>	34 41	4 27	230.1	69.67	6.0... 7.0	1835.55	Σ 5	White
7712	β 42	W ^a XVI ^a . 1076	35 20	29 15	41.9	7.23	10.0...10.5	1875.10	β 3	
7713	H 587	DM (37°) 2786	35 23	37 45	300 ±	7-8	9 ...12	1820+	H	
7714	Σ 2082	42 <i>Herculis</i>	35 29	49 10	92.3	22.39	4.0...10.7	1828.43	Σ 3	4.0 <i>very yel. or golden</i>
7715	Ho 553	L 30392	35 50	22 11	182.2	11.80	7.5...12	1897.51	Ho 1	(A. N. 3557)
7716	A 349	DM (30°) 2860	36 34	30 23	111.8	0.56	9.2...10.0	1902.68	A 3	(Bul. L. O. No. 29)
7717	Σ 2084	5 <i>Herculis</i>	36 47	31 49	23.4	0.91	3.0... 6.5	1826.63	Σ 5	<i>Yel'sh: reddish</i>
7718	β 1116	B. A. C. 5600	36 51	-27 14	359.4	1.78	6.7...11.7	1889.39	β 3	
7719	See 285	Cord. 16 ^h . 2556	36 53	-27 13	259.4	14.42	8.3...13.1	1897.48	See 1	
7720	H 1293	....	36 54	- 1 39	105 ±	2½	10 ...10-11	1828+	H	"Neat"
7721	Hu 487	DM (22°) 3007	36 58	22 5	26.0	0.50	9.0... 9.0	1902.49	Hu 3	(Bul. L. O. No. 21)
7722	Lewis 14	....	37 :	44 42:	121.6	5.68	9 ...11	1900.64	L 1	(M. N. LXI, 486)
7723	Σ 2081 <i>rej.</i>	L 30416	37 4	3 41	322.0	21.35	7.8...10.5	1901.39	β 2	
7724	Σ 2083	W ^a XVI ^a . 692	37 13	13 50	336.3	12.58	8.3... 8.8	1830.75	Σ 3	
7725	Σ 2085	<i>Herculis</i> 130	37 17	21 49	309.0	6.10	7.3... 8.8	1830.34	Σ 3	7.3 <i>wh.</i>
7726	β 953	O. Arg. N. 16454	37 21	70 2	328.7	0.30	7.8... 8.3	1879.27	β 1	
7727	See 286	Cord. G. C. 22633	37 23	-27 14	30.5	11.34	8 ...11.5	1897.48	See 1	
7728	β 1199	....	37 23	36 41	239.4	0.88	11.4...12.0	1890.45	β 3	B and C }
					310.3	2.61	10.8...	1890.45	β 3	A and B }
7729	Σ 2092	DM (60°) 1691	37 24	60 56	5.9	8.04	7.7... 8.8	1831.10	Σ 3	White
7730	Σ 2087	W ^a XVI ^a . 1151	37 33	23 54	291.8	5.74	8.2... 8.2	1830.71	Σ 3	White
7731	H V. 127	DM (6°) 3282, 3281	37 48	6 51	289.7	48.67	....	1783.65	H 1	
7732	H 4886	....	37 59	- 3 53	94 ±	3 ±	12 ...12½	1835.6	H	
7733	Σ 2086	L 30443	38 8	- 0 20	157.6	13.55	7.8...10.3	1831.42	Σ 3	7.8 <i>yel'sh wh.</i>
7734	Σ 2091	DM (41°) 2742	38 13	41 25	302.2	1.29	7.5... 8.0	1830.09	Σ 3	White
7735	OΣ (App) 149	W ^a XVI ^a . 1174	38 19	20 57	135.5	100.08	6.7... 7.3	1875.27	β 3	
7736	Σ 2089	DM (25°) 3122	38 22	25 22	61.0	2.30	8.0...11.5	1830.57	Σ 3	
7737	Σ 2088 <i>rej.</i>	L 30464	38 40	2 33	....	Cl. IV	8 ...11	....	Σ	
7738	Σ 2093 <i>rej.</i>	9 <i>Herculis</i>	38 47	39 9	261.1	113.39	3 ...	1879.27	β 1	
7739	Σ 2094	W ^a XVI ^a . 1201	39 8	23 44	82.8	1.63	7.3... 7.6	1831.41	Σ 5	A and B }
					311.4	25.32	...11.0	1830.50	Σ 3	AB and C }
7740	....	41 <i>Herculis</i>	39 9	6 19	191.3	163.65	6.2... 9.0	1854.39	OΣ 1	A and B }
					243.8	175.88	... 9.5	1854.39	OΣ 1	A and C }

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
7741	Z 2090 rej.	DM (10°) 3058	16 ^h 39 ^m 10 ^s	10° 10'	156° 5	20'.38	7.8...13.2	1904.24	β 2	A and B } A and C } A and D }
					26.5	66.95	... 9.6	1904.24	β 2	
					31.7	92.87	... 9.3	1904.24	β 2	
7742	Z 2099	DM (70°) 893	39 15	70 35	218.9	9.45	8.5...11.0	1832.27	Z 2	
7743	Ku 54	DM (44°) 2603	39 16	44 8	99.3	9.80	8.6...10.1	1901.46	Ku 2	Kustner (382)
7744	Skinner 10	SD (17°) 4630	39 20	-17 8	86.1	3.57	8.4... 8.5	1901.46	β 2	
7745	A. G. 205	DM (24°) 3048	39 28	24 1	....	....	9.0...	....	....
7746	Hu 313	SD (17°) 4632	39 41	-17 30	311.7	0.37	9.3...10.5	1901.63	Hu 2	(Bul. L. O. No. 12)
7747	Sh 239	43 (i) <i>Herculis</i>	40 4	8 48	230.9	80.09	....	1821.42	Sh 2	Red: bluish
7748	Δ 15	W ² XVI ^h . 1256	40 12	43 42	132.7	0.91	8.0... 8.2	1869.74	Δ 3	
7749	Z 2095	46 <i>Herculis</i>	40 19	28 35	163.9	4.96	7.0... 9.0	1830.57	Z 3	7.0 yel'sh wh.
7750	A 27	L 30511	40 21	- 2 59	21.7	1.94	7.8...11.7	1899.54	A 3	(A. N. 3633)
7751	Z 2097	DM (35°) 2864	40 28	35 57	89.9	2.14	8.5... 8.7	1829.63	Z 3	A and B } A and C }
					5.5	36.84	...12.0	1879.30	β 1	
7752	Z 2100 rej.	O. Arg. N. 16484	40 38	50 53	295.7	22.88	8 ...10	1900.46	Es 2	
7753	H 4887	Cord. DM (28°) 12419	40 44	-28 31	90.0	18±	9½... 9½	1834.3	H	
7754	Hu 664	DM (51°) 2130	40 48	51 46	304.0	0.34	8.0... 8.0	1904.31	Hu 2	
7755	H 1294	L 30509	40 56	-24 19	135±	18±	7 ...17	1828+	H	
7756	Espin 76	DM (50°) 2324	40 58	50 50	47.0	2.5	9.0... 9.5	1901	Es	(A. N. 3784)
7757	Z 2098	W ² XVI ^h . 1267	41 2	30 14	147.2	14.33	8.0... 9.0	1831.06	Z 2	A and B } A and C }
					140.4	64.30	... 9½	1825.44	S 1	
					13.8	60±	...15	1825.44	S 1	A and D }
7758	Z 2096	19 <i>Ophiuchi</i>	41 7	2 17	92.6	22.25	6.0... 9.3	1832.14	Z 3	Wh.: ash
7759	Z 2101	W ² XVI ^h . 1282	41 28	35 51	60.2	4.31	6.3... 9.0	1829.60	Z 3	6.3 yel'sh wh.
7760	H 4888	....	41 59	-19 23	310.8	7±	10=10	1836.5	H	
7761	Hu 665	DM (21°) 2986	42 3	21 47	141.1	2.42	8.8...13.0	1902.41	Hu 2	
7762	A 227	A. G. Camb. 7818	42 6	27 14	89.6	1.79	9.8...10.0	1901.70	A 3	
7763	β 43	W ² XVI ^h . 785	42 19	2 57	246.5	0.89	8.7... 8.8	1875.22	Δ 4	
7764	Walsae 31	W ² XVI ^h . 1305	42 39	25 51	318.1	4.90	8.7... 8.7	1879.38	Cin 3	A and B } A and C }
					242.8	25.42	...11.0	1879.38	Cin 3	
7765	Ku 55	DM (15°) 3054	43 1	15 2	47.1	2.43	9.5...10.1	1901.46	Ku 2	Kustner (382)
7766	Z 2102	DM (21°) 2991	43 35	21 36	276.7	14.00	8.0...10.5	1830.97	Z 2	
7767	A 574	A. G. Bonn 10742	43 59	43 31	328.0	4.56	9.0...13.8	1903.62	A 2	(Bul. L. O. No. 90)
7768	Z 2103	W ² XVI ^h . 826	44 2	13 28	36.6	5.67	5.2...10.0	1830.47	Z 3	5.2 bluish wh.
7769	Z 2104	W ² XVI ^h . 1361	44 24	36 8	19.6	5.86	6.2... 8.0	1829.35	Z 3	Wh.: ash
7770	A. G. 208	A. G. Chris. 2532	44 35	67 0	158.3	5.64	9.3... 9.7	1891.62	β 2	
7771	H 1295	....	44 35	-26 27	150±	7±	11 ...12	1828+	H	} "In same field"
7772	H 1296	....	44 42	-26 27	220±	10±	....	1828+	H	
7773	See 291	Lac. 7022	44 54	-25 24	6.9	2.64	7.6...13.9	1897.65	See 1	
7774	H 4891	....	45 5	-24 29	129.1	5±	10=10	1834.3	H	
7775	Schj. 13	W ² XVI ^h . 844	45 8	4 59	....	....	8 ...	....	....
7776	Z 2105	DM (1°) 3322	45 17	1 21	130.4	29.05	8.0... 9.5	1831.55	Z 2	
7777	OZ 315	21 <i>Ophiuchi</i>	45 20	1 25	173.3	0.87	6.2... 8.1	1844.49	OZ 2	
7778	Z 2106	DM (9°) 3287	45 24	9 37	337.5	1.01	6.7... 8.4	1827.31	Z 5	Wh.
7779	β 627	52 <i>Herculis</i>	45 43	46 12	309.4	1.83	5.0...10.5	1878.38	β 5	
7780	Z 2108 rej.	DM (55°) 1880	46 4	55 21	....	CL I	8 ...10	....	Z	
7781	H 4895	Cord. DM (28°) 12552	46 25	-28 44	95±	15±	9½...12	1834.3	H	
7782	OZ 316 rej.	Rad ^r . 3620	47 4	59 43	349.5	47.25	6.8... 7.8	1867.54	Δ 3	
7783	Z 2107	<i>Herculis</i> 167	47 5	28 52	148.6	1.13	6.5... 8.0	1829.01	Z 3	Yel'sh: bluish
7784	A 575	A. G. Bonn 10770	47 7	43 11	130.0	0.70	8.7... 9.4	1903.62	A 2	(Bul. L. O. No. 90)
7785	β 821	DM (32°) 2799	47 13	32 3	313.6	1.21	8.4... 8.9	1881.43	β 3	
7786	β 123	O. Arg. 8. 16094	47 29	-21 51	203.5	1.67	8.5... 8.8	1877.42	Cin 2	
7787	Ho 408	Cord. DM (23°) 12973	47 56	-23 58	247.4	2.14	9.5... 9.7	1893.54	Ho 2	
7788	Hu 159	SD (11°) 4233	48 9	-11 21	151.7	4.31	8.5... 9.1	1900.50	Hu 3	(A. J. 485)
7789	Ho 65	L 30761	48 12	22 53	153.0	1.90	8.0...13	1886.52	Ho 1	
7790	H 4898	....	16 48 21	-26 28	125.0	7±	9 ...12	1834.3	H	

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
7791	β 241	<i>Ophiuchi</i> 74	16 ^h 48 ^m 23 ^s	-21° 22'	337° 9	0.57	7.0... 7.1	1877.49	Cin 2	
7792	Ku 1	Groom. 2391	48 27	77 43	189.3	2.72	7.0... 10.3	1889.21	β 3	
7794	See 311	Cord. G. C. 22915	48 36	-31 7	128.9	3.25	7.5... 14.9	1897.47	See 1	
7795	Σ 2109	DM (21°) 2999	48 37	21 22	314.8	5.95	7.0... 10.2	1831.50	Σ 3	7.0 yel.
7796	Swift	DM (54°) 1841	48 39	53 59	197.2	7.12	8.6... 10.2	1902.37	β 2	
7797	Hu 233	SD (11°) 4235	48 48	-11 41	62.6	4.98	8.5... 11.5	1900.50	Hu 4	(A. J. 494)
7798	Σ 3106	W ¹ XVI ^b . 912	49 17	-4 59	246.5	2.35	8.6... 8.6	1831.88	Σ 4	White
7799	A 350	A. G. Camb. 7883	49 17	29 18	140.1	0.38	9.0... 9.0	1902.79	A 3	(Bul. L. O. No. 29)
7800	O Σ 317	L 30818	49 19	44 36	235.3	15.73	7.2... 11.8	1846.71	O Σ 2	
7801	β 1117	24 <i>Ophiuchi</i>	49 34	-22 57	264.2	0.70	6.4... 8.5	1889.39	β 4	
7802	A. G. 207	DM (24°) 3080	49 39	24 43	210.9	2.06	9.0... 11.5	1902.53	M 4	
7803	Sh 240	P XVI ^b . 236	50 1	-19 21	227.3	5.64	6 ... 8	1823.44	Sh 1	White: blue
7804	β 954	54 <i>Herculis</i>	50 6	18 38	175.4	2.56	5.0... 12.3	1879.36	β 3	
7805	Σ 2110 rej.	56 <i>Herculis</i>	50 6	25 56	93.2	18.06	6.0... 11.9	1879.04	β 3	
7806	H0 409	SD (23°) 3020	50 25	23 33	17.2	8.48	8.1... 13	1892.87	H0 2	
7807	H 4902	L 30779	50 26	-27 25	31.8	12 ±	8 ... 11	1834.3	H	
7808	H 4903	Cord. DM (30°) 13648	50 30	-30 0	88.5	15 ±	9 ... 12	1834.3	H	
7809	Hu 160	DM (10°) 3099	50 44	10 26	203.4	0.61	8.9... 9.2	1900.55	Hu 3	
7810	O Σ 318	L 30835	51 10	14 20	250.9	2.75	6.7... 9.3	1847.74	O Σ 3	6.7 yel.
7811	Hu 161	SD (14°) 4508	51 36	-14 35	46.4	2.96	8.7... 12.2	1900.50	Hu 3	(A. J. 485)
7812	Hu 162	SD (16°) 4386	52 23	-16 43	236.3	0.39	8.2... 8.5	1900.50	Hu 3	(A. J. 485)
7813	Hn 27	L 30853	52 32	-13 1	135.0	4.87	8.5... 9.1	1881.43	β 3	
7814	O Σ 319	L 30879	52 38	15 20	63.5	0.93	7.5... 8.5	1847.91	O Σ 5	
7815	H 4907	O. Arg. S. 16183	52 38	-24 1	49.1	15 ±	8 ... 8½	1837.5	H	
7816	H 1297	....	52 46	-25 37	50 ±	5 ±	10 ... 10-11	1828+	H	"Neat"
7817	Σ 3107	W ¹ XVI ^b . 977	52 52	4 9	112.3	1.60	8.5... 8.5	1831.87	Σ 3	White
7818	H 2802	....	53 1	39 18	121.8	8 ±	9 ... 15	1830+	H	
7819	O Σ 320	L 30909	53 17	25 30	251.6	5.67	7.5... 11.1	1849.26	O Σ 3	7.5 bluish
7820	H 588	DM (36°) 2806	53 32	36 36	115 ±	15 ±	9 ... 11	....	H	(See p. 1078)
7821	H0 554	O. Arg. S. 12990	53 37	-29 31	357.4	10.18	8 ... 12.5	1896.52	H0 2	A and B }
					352.1	35.24	... 10	1896.51	H0 1	A and C }
7822	Σ 2112	DM (32°) 2824	53 42	31 58	260.6	1.90	8.5... 9.5	1830.89	Σ 3	
7823	β 1298	DM (9°) 3303	53 49	9 52	88.2	0.29	7.6... 8.9	1901.57	β 3	A and B }
					165.2	77.02	... 8.0	1874.84	Δ 3	AB and C }
					164.2	24.05	... 12	1901.37	β 2	C and D }
7824	H0 410	Cord. G. C. 23029	53 53	-33 11	348.9	8.79	7.0... 12.7	1892.03	H0 2	
7825	O Σ 321	L 30918	53 55	14 29	1.7	0.51	7.7... 8.7	1848.82	O Σ 3	
7826	Σ 2125 rej.	DM (82°) 496	53 59	82 34	....	CL III	8 ... 10	....	Σ	
7827	H 4911	O. Arg. S. 16213	54 10	-20 15	....	....	....	1834+	H	
7828	Σ 2116	O. Arg. N. 16684	54 15	63 43	6.0	18.94	8.2... 8.8	1831.09	Σ 3	Very wh.
7829	Hu 163	SD (12°) 4641	54 32	-12 2	335.4	0.29	8.9... 9.2	1900.53	Hu 3	(A. J. 485)
7830	Σ 32, App. I	O. Arg. N. 16679	54 34	47 32	263.4	114.64	7.0... 7.1	1834.10	Σ 6	Yel.
7831	Σ 2117	L 31016	55 14	51 59	117.0	1.36	8.4... 10.6	1831.53	Σ 4	8.4 yel'ish wh.
7832	O Σ 322	DM (37°) 2826	55 34	37 6	202.5	1.69	7.0... 9.8	1847.29	O Σ 3	
7833	Σ 3108 rej.	L 30945	55 43	-11 43	124.7	39.66	8.4... 9.0	1901.83	β 2	
7834	Σ 2118	20 <i>Draconis</i>	55 49	65 13	246.4	0.85	6.4... 6.9	1832.30	Σ 5	White
7835	β 955	Redhill 2542	55 50	82 3	348.0	0.54	8.2... 9.5	1880.68	β 1	
7836	Σ 2115	<i>Herculis</i> 192	56 6	15 7	238.4	19.13	5.7... 10.5	1830.70	Σ 4	5.7 very wh.
7837	Σ 2114	P XVI ^b . 270	56 13	8 37	135.7	1.33	6.2... 7.4	1830.97	Σ 7	White
7838	Σ 2113	DM (7°) 3292	56 19	7 23	119.0	4.68	7.7... 9.5	1832.81	Σ 3	7.7 wh.
7839	H 2803	....	56 40	40 36	260.0	12 ±	10 ... 12	1830+	H	"Among many stars to m."
7840	Howe 38	SD (10°) 4619	56 41	-20 13	182.6	....	8.0... 10.0	1879.55	Cin 1	
7841	H 262	....	56 54:	38 6:	130 ±	30 ±	....	1820+	H	
7842	H 263	....	57 12:	38 4:	120 ±	15-20	9 ... 11	1820+	H	"In the same field" (See p. 1078)
7843	H0 411	W ¹ XVI ^b . 1733	57 26	23 53	261.1	1.74	8.3... 12.0	1892.55	H0 2	
7844	Hu 164	SD (12°) 4655	16 57 47	-12 30	341.4	1.78	6.5... 12.2	1900.53	Hu 3	(A. J. 485)

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
7845	Σ 33, App. I	33 and 34 <i>Ophiuchi</i>	16 ^h 58 ^m 7 ^s	13° 47'	115° 3	292'.48	5.8... 6.3	1835.69	Σ 6	Wh.: <i>yel.</i>
7846	Hd 143	<i>e Ursae Minoris</i>	58 19	82 14	6.5	77.65	4.4... 11.2	1879.32	β 2	
7847	β 822	<i>Herculis</i> 198	58 40	19 51	228.0	1.50	6.9... 11.3	1881.56	β 3	
7848	H α 66	DM (32°) 2839	58 46	32 47	246.3	13.84	8.5... 13.0	1886.62	H α 2	
7849	Σ 2124	DM (65°) 1161	58 47	65 23	88.9	15.06	8.5... 9.2	1832.27	Σ 3	White
7850	Σ 3109	W ² XVI ^b . 1079	58 53	— 6 57	299.8	4.80	8.9... 10.7	1832.44	Σ 4	
7851	Hu 165	SD (14°) 4540	58 59	—14 12	41.7	0.62	9.1... 11.3	1900.52	Hu 3	(A. J. 485)
7852	Perry	L 31091	59 26	19 46	232.5	1.78	6.9... 10.2	1881.54	β 5	
7853	Σ 2121	DM (42°) 2786	59 28	42 4	140.3	2.81	8.0... 10.0	1831.19	Σ 3	8.0 <i>yel.</i>
7854	Σ 2119	SD (13°) 4543	59 42	—13 46	17.8	1.95	8.0... 8.0	1831.76	Σ 3	Very wk.
7855	H V. 133	60 <i>Herculis</i>	59 49	12 54	307.0	48.67	....	1783.44	H α 1	
7856	β 357	L 31094	59 52	10 43	294.7	1.15	8.3... 10.0	1876.56	Δ 3	
7857	H α 555	DM (33°) 2824	59 59	33 24	181.4	0.96	9.3... 9.3	1897.53	H α 2	A and B } (A. N. 3557)
					30.8	53.52	... 11	1897.53	H α 1	AB and C }
7858	Σ 2120	<i>Herculis</i> 210	17 0 0	28 15	11.4	3.83	6.4... 9.2	1829.60	Σ 2	Yel.: <i>very blue</i>
7859	Σ 2126 <i>rej.</i>	DM (71°) 818	0 8	71 17	....	Cl. IV	8 ... 10	....	Σ	
7860	H 4919	Cord. DM (28°) 12845	0 16	—28 25	267 \pm	18 \pm	9 $\frac{1}{2}$... 10	1834.3	H	
7861	Σ 3110	W ² XVI ^b . 1113	0 20	— 2 26	336.0	7.83	8.5... 10.2	1832.62	Σ 5	
7862	Hu 166	SD (12°) 4664	0 22	—12 53	299.5	1.21	9.0... 12.0	1900.52	Hu 3	(A. J. 485)
7863	β 823	L 31107	0 29	— 0 49	353.9	1.04	8.2... 9.2	1881.39	β 4	
7864	H 2804	....	0 31	39 9	283.8	20 \pm	9—10... 10	1830+	H	
7865	Σ 2122	<i>Ophiuchi</i> 124	0 39	— 1 30	280.5	20.13	6.5... 8.7	1831.47	Σ 3	6.5 <i>wh.</i>
7866	Σ 2123	DM (7°) 3306	1 7	6 58	218.4	19.26	8.5... 8.5	1830.85	Σ 3	Wh.
7867	See 319	Cord. DM (26°) 11936	1 9	—26 41	208.1	7.37	8.2... 13.1	1897.65	See 1	
7868	H α 556	L 31160	1 14	22 15	123.6	24.22	5.5... 13	1897.52	H α 2	(A. N. 3557)
7869	O Σ (App) 151	Rad ² . 3655	1 15	53 24	173.0	78.17	7.3... 8.5	1875.66	Δ 3	
7870	H 4922	L 31119	1 27	—20 4	314 \pm	25 \pm	7 $\frac{1}{2}$... 11	1836.5	H	
7871	A 228	A. G. Camb. 8009	1 27	26 41	186.4	0.53	9.0... 9.2	1901.45	A 3	
7872	Σ 2128	DM (59°) 1783	1 43	59 44	57.4	11.57	8.0... 9.2	1830.34	Σ 2	8.0 <i>yel'sh</i>
7873	O Σ 323	Rad ² . 3657	1 44	47 8	111.3	6.91	7.4... 10.5	1848.44	O Σ 4	
7874	H 4923	L 31140	2 7	—18 6	184 \pm	3 \pm	8 ... 9	1836.4	H	
7875	A. G. 208	A. G. Alb. 5662	2 8	1 53	242.5	27.18	9.0... 9.8	1903.44	Cg 2	
7876	Σ 2127 <i>rej.</i>	DM (31°) 2965	2 30	31 15	....	III—IV	7.8... 10	....	Σ	
7877	Innes 246	L 31152	2 38	—27 37	33.5	1.29	7.6... 10.0	1902.49	I 3	(M. N. LXIII, 76)
7878	Σ 2130	μ <i>Draconis</i>	2 51	54 38	208.1	3.34	5.0... 5.1	1828.52	Σ 3	A and B } BC = β 1088
					190.9	12.25	... 13.0	1889.27	β 3	
7879	Hu 167	DM (10°) 3147	2 54	10 0	59.5	0.58	9.5... 9.8	1900.58	Hu 3	(A. J. 485)
7880	Hu 168	SD (17°) 4731	3 1	—17 52	109.1	0.35	8.5... 8.5	1900.52	Hu 3	(A. J. 485)
7881	Σ 2134 <i>rej.</i>	DM (76°) 627	3 6	76 17	....	Cl. IV	8 ... 9	....	Σ	
7882	H 264	....	3 26:	36 6:	185.5	5 \pm	9 ... 11	1820+	H	
7883	O Σ 324	L 31248	3 27	31 22	217.9	3.88	6.3... 10.8	1853.54	O Σ 4	6.3 <i>yel.</i>
7884	H 589	O. Arg. S. 16410	3 28	—24 47	305 \pm	11 \pm	9 ... 11	1820+	H	
7885	β 1118	η <i>Ophiuchi</i>	3 30	—15 34	274.7	0.35	3.4... 3.9	1880.39	β 4	A and B }
					142.5	93.41	... 13	1898.56	β 1	AB and C }
					288.6	99.78	... 11.5	1898.56	β 3	AB and D }
7886	H α 412	L 31259	3 47	36 6	143.2	19.49	6 ... 12	1892.08	H α 2	
7887	β 124	L 31224	4 0	— 0 36	253.5	1.12	7.3... 10.3	1875.11	Δ 3	
7888	β 956	O. Arg. S. 16420	4 10	—26 33	163.1	0.63	8.0... 9.7	1880.51	β 2	
7889	A 229	A. G. Berlin 5866	4 27	24 33	350.1	1.25	8.6... 11.0	1901.43	A 3	
7890	Hu 169	SD (16°) 4436	4 35	—16 20	223.1	0.13	8.0... 8.1	1900.52	Hu 3	(A. J. 485)
7891	β 125	P XVI ^b . 311	4 43	—26 53	68.3	1.56	7.9... 10.9	1880.51	β 2	
7892	A 230	....	5 :	24 32	121.4	1.81	10.2... 10.6	1901.41	A 2	
7893	Σ 2131	W ² XVII ^b . 88	5 6	30 30	179.4	24.25	7.5... 8.5	1830.08	Σ 2	7.5 <i>very wh.</i>
7894	Espin 77	DM (51°) 2178	5 20	51 0	274.0	17.0	6.6... 11.8	1901	Es	
7895	Σ 2133	DM (49°) 2588	5 39	49 55	201.8	3.31	9.0... 10.5	1830.63	Σ 3	
7896	Σ 2132	L 31290	17 6 26	— 3 54	108.0	1.52	8.3... 9.0	1831.46	Σ 3	Yel'sh <i>wh.</i>

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
7897	Hu 170	DM (9°) 3339	17 ^h 6 ^m 33 ^s	9° 54'	273.7	1.71	8.5...10.8	1900.56	Hu 3	(A. J. 485)
7898	Z 2135	DM (21°) 3063	6 58	21 22	166.1	6.70	7.1... 8.4	1829.45	Z 4	Yellowish
7899	β 1247	L 31296	7 3	- 9 9	345.5	1.62	8.0...10.3	1891.48	β 4	
7900	OZ 325	P XVII ^b . 18	7 12	7 54	202.9	1.67	7.2... 9.1	1857.27	OZ 4	Wh.: blue
7901	Z 2136	L 31347	7 35	39 24	114.1	15.64	8.0...10.0	1831.76	Z 3	8.0 wh.
7902	Barnard 7	L 31315	7 38	- 8 16	154.7	2.16	8.2...11.6	1892.48	β 3	
7903	Z 2138	O. Arg. N. 16904	7 40	54 39	139.2	22.33	8.0... 8.3	1830.98	Z 3	Very wh.
7904	Hu 749	SD (21°) 4554	7 54	-21 47	150.4	1.91	8.5... 9.2	1902.52	Hu 1	
7905	Sh 243	36 Ophiuchi	7 59	-26 25	227.3	5.54	6 ... 6	1822.52	Sh 2	
7906	Z 2137	W ^a XVII ^b . 180	8 30	16 5	145.4	4.02	8.2... 9.2	1830.81	Z 3	White
7907	β 282	SD (14°) 4585	8 31	-14 27	154.1	4.23	6.7...11.8	1875.41	β 3	
7908	Ho 557	L 31352	8 35	16 30	323.4	4.28	8 ... 12	1895.06	Ho 2	(A. N. 3557)
7909	Z 2142	O. Arg. N. 16915	8 36	49 53	116.3	5.33	6.2...10.0	1830.14	Z 3	6.2 wh.
7910	H.C. Wilson 14	O. Arg. S. 16530	8 43	-18 3	293.1	1.31	9.0... 9.1	1884.46	W 1	A and B
					228.8	12±	9 ... 12	1836.5	H	AB and C
7911	Z 2139 rej.	DM (19°) 3258	8 56	19 27	....	Cl. III	8-9...11	....	Z	
7912	β 957	L 31341	8 58	-10 10	203.6	0.58	7.9... 7.9	1880.16	β 3	
7913	Z 2143 rej.	DM (10°) 3169	9 9	10 8	119.9	28.83	8.4...10	1904.28	β 1	
7914	Z 2140	α Herculis	9 10	14 32	118.5	4.65	3.0... 6.1	1829.63	Z 12	A and B
					335.8	23.54	...15.0	1888.99	β 2	A and C
					39.0	84.79	...10.6	1890.44	β 3	A and D
7915	β 44	DM (28°) 2697	9 12	28 57	18.6	5.33	9.2...10.5	1875.01	β 4	
7916	Hu 488	DM (20°) 3431	9 18	20 4	108.3	3.06	8.8...10.0	1902.43	Hu 3	(Bul. L. O. No. 21)
7917	β 958	L 31344	9 25	-19 12	221.0	1.38	8.3... 8.8	1880.52	β 2	
7918	Ho 558	....	9 31	63 30	208.7	8.83	9.5...10	1896.60	Ho 2	(A. N. 3557)
7919	Hu 171	SD (17°) 4806	9 34	-17 29	190.4	1.74	9.2...10.8	1900.54	Hu 3	
7920	β 1119	B. A. C. 5820	9 40	-30 2	355.8	0.75	7.0... 7.6	1889.40	β 3	
7921	O. Stone 33	SD (17°) 4760	10 1	-17 51	44.3	0.8±	8.5... 9.5	1880.40	Cin 1	
7922	Z 3127	δ Herculis	10 6	24 59	174.1	25.85	3.0... 8.1	1830.99	Z 3	Green: ashy wh.
7923	S 385	38 Ophiuchi	10 12	-26 30	330.8	7.14	8 ... 12.5	1825.53	S 4	
7924	Hu 489	DM (20°) 3432	10 21	20 15	47.1	0.97	9.2...10.5	1902.43	Hu 3	(Bul. L. O. No. 21)
7925	Z 2146	DM (54°) 1868	10 27	54 16	226.2	2.65	8.0...10.0	1831.95	Z 3	
7926	H 854	W ^a XVII ^b . 143	10 27	1 21	358±	25±	5 ... 17	1820+	H	
7927	Z 2141 rej.	L 31401	10 38	3 32	135±	20±	8 ... 10	1823+	H	
7928	W III. 25	39 Ophiuchi	10 42	-24 9	357.2	10.37	....	1782.46	W 1	Red: blue, Sh.
7929	β 416	Scorpii 185	10 47	-34 51	240±	1.8±	6.0... 8.0	1876.52	β 1	A and B
					128.6	31.03	...10.5	1889.43	β 3	A and C
7930	Z 2144 rej.	SD (7°) 4419	10 53	- 7 44	4.0	25.73	8.0... 9.0	1848.60	Mh 1	
7931	O. Stone 34	....	11 :	-16 55:	289.8	17.11	9.0... 9.5	1879.41	Cin 2	
7932	β 1200	L 31421	11 5	14 49	12.6	1.42	7.8...12.2	1890.44	β 3	
7933	Hu 132	Ord. DM (23°) 13308	11 36	-23 52	30.0	1.96	8.9...10.0	1888.63	Com 3	
7934	Hu 172	DM (11°) 3153	11 44	11 21	347.5	0.69	9.2...11.7	1900.56	Hu 3	(A. J. 485)
7935	H.C. Wilson 15	DM (26°) 2990	11 47	26 43	45.4	0.46	8.3... 9.3	1892.58	W 4	A and B
					174.2	9.79	8.0... 9.5	1830.99	Z 2	AB and C
7936	OZ 327	Rad ^r . 3689	11 53	56 16	340.6	0.44	7.6... 7.9	1846.45	OZ 4	
7937	Hu 668	DM (21°) 3084	12 8	21 21	29.6	1.22	8.5...15.0	1902.49	Hu 1	
7938	Z 2151	DM (69°) 898	12 10	69 38	353.5	2.16	8.6...10.1	1832.76	Z 4	
7939	Schj. 14	DM (5°) 3637	12 29	4 58	344.3	24.60	8.0... 9.0	1873.45	β 1	
7940	OZ 326	L 31461	12 34	9 39	203.5	15.37	7.2...11.5	1850.02	OZ 2	
7941	Hu 750	SD (21°) 4577	12 38	-21 34	134.2	2.02	8.8... 9.0	1902.52	Hu 1	
7942	Z 2147	DM (29°) 2978	12 53	29 2	93.1	6.60	7.1...11.0	1833.61	Z 4	7.1 very red.
7943	β 126	P XVII ^b . 43	12 54	-17 38	261.3	1.74	6.4... 7.5	1875.11	β 5	A and B
					139.7	11.49	...11.7	1879.54	β 2	A and C
7944	OZ 328	68 Herculis	12 54	33 14	61.8	4.38	4.8...10.2	1847.89	OZ 3	4.8 wh.
7945	β 629	DM (32°) 2883	13 0	32 13	345.8	0.99	8.3... 9.0	1878.40	β 2	
7946	Hd 144	O. Arg. S. 16624	17 13 4	-26 26	24.6	4.39	6.5... 6.5	1868.60	Hd 1	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
7947	Σ 2148	W ² XVII ^h . 194	17 ^h 13 ^m 11 ^s	-11° 14'	220° 4	5.13	8.5... 9.9	1832.45	Σ 4	
7948	S 686	W ² XVII ^h . 326	13 17	28 52	4.5	54.98	8 ... 9	1825.46	S 2	
7949	A 231	A. G. Camb. 8126	13 22	27 50	113.5	1.80	9.0... 13.5	1901.73	A 3	
7950	Ho 67	DM (35°) 2947	13 23	35 44	261.5	6.30	8.5... 12.5	1884.60	Ho 2	
7951	β 127	L 31454	13 25	-27 13	95.3	5.26	8.2... 9.0	1876.51	Cin 2	
7952	β 45	W ² XVII ^h . 345	13 29	32 37	289.9	4.83	9.7... 10.3	1875.05	Δ 4	
7953	Σ 2149	SD (6°) 4580	13 32	- 6 18	23.2	7.47	8.8... 8.8	1830.15	Σ 3	
7954	O Σ (App) 152	W ² XVII ^h . 335	13 33	21 54	50.2	51.66	7.0... 9.2	1874.94	Δ 3	
7955	β 628	W ² XVII ^h . 359	13 55	32 47	5.6	0.54	9.0... 9.5	1878.41	β 1	
7956	Lewis 15	....	14 :	32 33:	297.4	2.68	10.0... 11.0	1896.46	L 1	
7957	Sh 247	<i>v</i> <i>Serpentis</i>	14 4	-12 43	30.8	50.21	....	1821.97	S 2	Reddish wh.: lilac.
7958	A 28	SD (8°) 4429	14 15	- 8 55	38.0	1.62	8.7... 8.8	1899.71	A 3	(A. N. 3635)
7959	Σ 2152	DM (45°) 2519	14 17	45 43	248.8	1.85	8.8... 9.0	1830.00	Σ 3	White (see p. 1079)
7960	H 2805	....	14 24	23 28	161.8	15 \pm	10 ... 11	1830+	H	
7961	See 325	Lac. 7246	14 28	-30 23	232.8	4.24	8 ... 10.5	1897.50	See 1	
7962	Σ 2155	<i>Draconis</i> 132	14 37	60 50	115.5	9.59	6.2... 9.5	1830.51	Σ 2	6.2 wh.
7963	Ho 413	O. Arg. S. 16663	14 44	-30 5	280.6	7.36	7.3... 11.8	1892.53	Ho 3	
7964	β 630	DM (32°) 2891	14 46	32 28	225.4	1.66	8.7... 10.7	1878.40	β 2	
7965	Σ 2153	DM (49°) 2615	14 50	49 26	281.8	1.89	8.6... 9.1	1831.33	Σ 4	Yel'sk
7966	See 326	O. Arg. S. 16672	14 55	-20 37	13.7	0.59	8.4... 8.9	1897.65	See 1	
7967	Hu 173	SD (10°) 4479	15 2	-10 56	359.0	0.72	8.5... 8.9	1900.47	Hu 3	(A. J. 485)
7968	Σ 2150	....	15 10	1 41	184.8	8.08	9.3... 10.2	1832.16	Σ 3	
7969	Hu 669	DM (50°) 2386	15 13	49 59	79.5	0.21	9.2... 9.2	1904.36	Hu 1	
7970	Σ 2154	DM (44°) 2690	15 23	44 15	249.1	1.81	8.5... 9.5	1830.44	Σ 3	8.5 wh.
7971	Swift	DM (53°) 1932	15 41	53 46	132.0	0.57	8.9... 9.0	1889.43	β 3	
7972	S 687	70 <i>Herculis</i>	15 58	24 37	56.6	218.34	5 ... 9	1825.09	S 3	
7973	Hd 145	....	16 :	-30 56:	140.0	5.25	11.0... 13.5	1868.49	Hd 1	
7974	H 1298	....	16 6	24 23	229.9	4 \pm	10 ... 11	1828+	H	
7975	β 959	<i>Ophiuchi</i> 185	16 9	5 37	258.7	3.26	7.1... 12.0	1879.88	β 5	
7976	σ 544	72 <i>Herculis</i>	16 10	32 38	327.5	162.64	5.0... 9.3	1853.35	O Σ 3	
7977	Hu 670	DM (49°) 2617	16 11	49 25	7.6	0.22	9.0... 10.0	1904.36	Hu 1	
7978	A 232	A. G. Camb. 8151	16 21	25 50	98.7	0.43	8.7... 9.4	1901.47	A 2	
7979	β 1248	DM (4°) 3406	16 31	4 29	165.4	8.49	8.0... 9.3	1891.46	β 3	
7980	Hn 133	O. Arg. S. 16701	16 35	-21 36	166.0	1.16	8.8... 9.2	1888.63	Com 3	
7981	Hn 28	O. Arg. S. 16709	16 46	-30 25	236.8	3.42	8.7... 9.1	1881.57	β 3	
7982	H 4948	SD (22°) 4341	17 9	-22 41	103.8	18 \pm	8 ... 11	1837.5	H	
7983	Ho 414	W ² XVII ^h . 466	17 19	26 12	85.3	0.45	8.4... 8.8	1891.78	Ho 3	A and B }
					305.1	30.83	... 11	1893.48	Ho 1	A and C }
7984	β 242	L 31610	17 21	-11 35	68.9	0.96	8.2... 9.0	1875.92	Δ 5	A and B }
					66.4	8.90	... 11.0	1876.01	Δ 4	AB and C }
					63.8	47.46	... 10.3	1876.01	Δ 4	AB and D }
7985	H 3346	DM (72°) 778	17 28	72 47	30.0	10 \pm	9-10... 12	1831+	H	
7986	Σ 2157	DM (16°) 3167	17 31	16 35	202.1	3.28	8.3... 9.7	1830.76	Σ 3	8.3 yel.
7987	β 1284	DM (15°) 3173	17 38	15 1	180.1	1.23	8.3... 11.3	1899.42	β 3	
7988	Kr 46	A. G. Hels. 9221	17 41	58 39	60.7	1.54	8.8... 9.0	1890.77	β 1	
7989	Hn 134	O. Arg. S. 16726	17 42	-21 20	149.4	3.98	6.2... 12	1889.06	Com 4	
7990	Hu 174	SD (16°) 4541	17 45	-15 59	43.2	2.01	8.7... 12.8	1900.54	Hu 3	(A. J. 485)
7991	Σ 2156	L 31647	17 47	- 0 43	32.3	3.27	8.3... 9.0	1830.79	Σ 3	Yel'sk wh.
7992	....	DM (4°) 3413	17 54	4 58	180 \pm	1.5 \pm	8 ... 11	1884.61	β	
7993	Σ 2158	DM (3°) 3397	18 5	3 11	78.3	23.23	8.0... 9.7	1831.56	Σ 2	8.0 wh.
7994	β 46	W ² XVII ^h . 296	18 7	13 31	203.0	2.15	7.7... 10.9	1875.01	Δ 4	
7995	Ho 415	L 31687	18 15	25 52	334.3	0.80	8.0... 8.7	1891.52	Ho 3	
7996	Hu 671	DM (22°) 3133	18 39	22 2	276.4	0.44	8.4... 9.0	1904.32	Hu 2	
7997	Hn 135	O. Arg. S. 16764	18 44	-19 11	105 \pm	3 \pm	9.0... 11.5	....	Hn	
7998	Σ 2160	P XVII ^h . 94	19 9	15 43	61.9	4.07	5.5... 10.0	1830.23	Σ 3	Very wh.: ash
7999	H 4953	O. Arg. S. 16774	17 19 19	-19 25	176.5	18 \pm	8 $\frac{1}{2}$... 9	1836.5	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
8000	β 128	B. A. C. 5879	17 ^h 19 ^m 24 ^s	-26° 14'	325° 7'	3.92	7.5...10.0	1877.19	Cin 3	
8001	Σ 2159	DM (13°) 3365	19 24	13 26	326.4	26.27	7.4... 8.1	1831.52	Σ 4	White
8002	β 1249	DM (53°) 1938	19 30	53 58	80.1	0.44	8.8... 9.0	1891.43	β 3	A and B }
					74.3	62.46	... 8.9	1891.41	β 3	AB and C }
8003	Σ 2161	ρ Herculis	19 33	37 15	307.2	3.60	4.0... 5.1	1830.35	Σ 4	Greenish wh.; greenish
8004	Σ 2163	DM (42°) 2839	19 36	42 16	103.5	1.51	9.2... 9.2	1830.02	Σ 3	
8005	Σ 2162	DM (36°) 2866	19 43	36 34	277.7	1.30	8.5... 8.9	1830.94	Σ 4	White
8006	H. N. 5	DM (32°) 2909	20 5	32 22	....	....	....	1784.37	H 1	
8007	O Σ 329 rej.	L 31771	20 18	37 3	12.5	32.58	5.8... 8.5	1867.12	Δ 3	
8008	β 1250	W ² XVII ^b . 559	20 19	30 52	57.6	1.93	10.3...10.8	1877.26	Δ 3	
8009	Σ 2164	O. Arg. N. 17084	20 27	47 23	16.5	8.82	7.8... 9.3	1829.46	Σ 3	White
8010	Hu 175	SD (12°) 4754	20 28	-12 3	68.1	4.64	8.6...12.3	1900.44	Hu 3	(A. J. 485)
8011	S 689	W ² XVII ^b . 581	20 40	39 19	198.4	89.27	8 ... 8½	1825.46	S 2	
8012	Hu 234	SD (12°) 4757	21 5	-12 5	167.2	1.02	8.0...12.0	1900.47	Hu 3	A and B }
					306.1	5.37	... 9.7	1900.44	Hu 3	A and C }
8013	H 1299	W ² XVII ^b . 589	21 12	26 59	20.7	32±	7 ...13	1828+	H	A and B }
					60.5	30±	...14	1828+	H	A and C }
8014	β 129	P XVII ^b . 100	21 14	-25 24	99.5	1.02	7.7... 8.0	1878.37	Cin 2	
8015	Σ 2167 rej.	O. Arg. N. 17105	21 21	49 38	....	Cl. IV	8 ...10	....	Σ	
8016	Espin —	DM (63°) 1346	21 25	63 52	19.1	6.5	9.0...11.5	1903	Es	(M. N. LXIV, 238)
8017	Σ 2165	Herculis 281	21 35	29 34	45.7	6.71	7.0... 8.5	1832.16	Σ 4	Yel'sh: ash
8018	See 329	O. Arg. S. 16826	21 35	-23 20	112.2	3.42	8 ...12	1897.67	Cg 1	
8019	A 29	SD (8°) 4445	21 41	- 8 34	95.8	2.91	9.0... 9.8	1899.71	A 3	(A. N. 3635)
8020	Howe 39	Lac. 7312	22 11	-33 36	324.7	4.65	7.2...10.2	1881.44	β 3	A and B }
					315.4	15.01	...12.5	1893.54	Ho 1	A and C }
					29.4	58.74	... 9.2	1881.43	β 2	A and D }
8021	Σ 2166	DM (11°) 3184	22 16	11 29	283.1	27.46	5.6... 7.4	1831.36	Σ 5	Wh.: bluish
8022	Σ 2179	O. Arg. N. 17153	22 17	72 42	213.3	5.46	8.2... 8.8	1832.61	Σ 3	Very wh.
8023	Σ 2168	DM (35°) 2977	22 26	35 52	199.7	2.44	7.5... 8.2	1828.77	Σ 3	7.5 yel.
8024	See 330	Cord. DM (30°) 13296	22 31	-30 10	169.1	1.62	8.1... 9.7	1897.50	See 1	
8025	Σ 2171	W ² XVII ^b . 370	22 40	- 9 54	75.7	1.62	7.5... 7.6	1830.53	Σ 4	Yel'sh wh.
8026	Hu 672	DM (51°) 2210	22 40	51 36	62.5	4.21	8.0...11.0	1904.36	Hu 1	
8027	H 2806	O. Arg. S. 16847	22 42	-17 43	187.0	12±	10 ...11	1830+	H	
8028	Σ 2170	DM (10°) 3215	23 4	10 35	76.3	3.80	8.5... 9.0	1830.82	Σ 3	Yel'sh
8029	See 332	Cord. DM (27°) 11692	23 4	-27 6	188.7	7.78	7.5...11.8	1897.70	See 1	A and B }
					356.6	16.85	...13	1897.70	See 1	A and C }
8030	Ho 416	DM (36°) 2993	23 10	30 30	95.2	4.15	8.3...10.0	1892.55	Ho 3	
8031	β 1089	L 31816	23 22	- 5 48	5.2	0.95	6.8...11.0	1888.64	β 3	
8032	Σ 2169	W ² XVII ^b . 378	23 28	- 8 19	88.7	14.85	8.0...10.0	1830.46	Σ 2	8.0 wh.
8033	Hu 176	DM (8°) 3425	23 34	8 17	344.4	0.25	9.2... 9.4	1900.58	Hu 4	(A. J. 485)
8034	A. G. 209	A. G. Lund 7147	23 37	36 13	167.8	26.34	9.0... 9.5	1904.32	β 2	
8035	Hu 177	SD (14°) 4665	23 41	-14 41	85.2	0.37	8.4... 9.5	1900.54	Hu 3	(A. J. 485)
8036	Σ 2172	DM (-1°) 3345	23 44	- 1 15	173.1	11.55	8.0...10.8	1830.79	Σ 3	8.0 yel'sh wh.
8037	Innes 105	Cord. DM (30°) 14334	23 55	-30 12	169.1	1.62	8.1... 9.7	1897.50	See 1	
8038	Σ 2173	Ophiuchi 221	24 14	- 0 58	323.8	0.62	5.8... 6.1	1830.84	Σ 5	Very yel.
8039	H 590	O. Arg. S. 16888	24 15	-17 3	310±	30±	9 ...10	1828+	H	
8040	Σ 2177	DM (46°) 2314	24 26	46 31	133.7	3.15	8.5...10.0	1831.46	Σ 3	
8041	O Σ 330	L 31885	24 29	16 4	57.0	14.17	7.2...10.8	1848.98	O Σ 3	
8042	A 30	SD (5°) 4455	24 31	- 5 32	60.5	0.45	9.2... 9.3	1899.58	A 3	A and B }
					8.1	3.41	...12.3	1899.58	A 4	AB and C } (A. N. 3635)
8043	Hn 29	O. Arg. S. 16893	24 35	-30 22	230.2	1.35	7.9... 8.5	1881.45	β 3	
8044	A 351	A. G. Camb. 8236	24 43	29 30	65.4	0.55	9.5... 9.9	1902.48	A 4	(Bul. L. O. No. 29)
8045	Σ 2174	DM (32°) 2928	24 58	32 51	331.6	5.64	9.2...10.5	1829.72	Σ 2	
8046	O. Stone 35	....	25 ±	46 25	183.8	7.58	9.2... 9.7	1879.34	Cin 2	
8047	Σ 2175	DM (32°) 2929	25 0	32 48	9.5	13.20	8.0...10.0	1831.01	Σ 2	8.0 white
8048	Hu 178	SD (13°) 4639	17 25 4	-13 30	177.4	2.58	8.9... 9.1	1900.44	Hu 3	(A. J. 485)

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
8049	Σ 2178	DM (35°) 2986	17 ^h 25 ^m 11 ^s	35° 2'	130° 1	10.60	7.0... 8.6	1832.39	Σ 7	Yel'sh; bluish
8050	Ho 417	L 31942	25 14	38 3	150.6	0.37	8.0... 8.0	1892.55	Ho 2	
8051	Ho 68	DM (63°) 1355	25 26	63 18	258.1	1.45	10 ... 10	1882.50	Ho 2	
8052	Σ 2176	DM (10°) 3225	25 27	10 32	9.0	16.86	8.7... 9.7	1829.54	Σ 2	
8053	Hu 673	SD (10°) 4507	25 45	-10 54	188.2	5.41	7.5... 12.8	1900.44	Hu 3	
8054	H 4960	Lam. 2398	25 46	- 8 23	90.3	3±	9½ = 9½	1835.6	H	
8055	O Σ 331	P XVII ^b . 135	26 2	2 55	326.3	0.85	7.5... 9.0	1848.33	O Σ 3	
8056	Hu 179	DM (11°) 3194	26 3	11 18	51.9	2.17	8.8... 8.9	1900.58	Hu 3	(A. J. 485)
8057	Σ 2180	P XVII ^b . 147	26 5	50 58	265.3	3.17	7.0... 7.2	1831.29	Σ 6	Very wk.
8058	β 1201	O. Arg. N. 17215	26 37	67 52	338.2	0.43	7.8... 7.8	1890.49	β 3	
8059	Σ 2181 rej.	W ^o XVII ^b . 780	27 7	30 25	....	Cl. IV	7 ... 9-10	....	Σ	
8060	Σ 2182	DM (23°) 3128	27 29	23 57	0.9	5.28	8.2... 9.2	1833.15	Σ 4	White
8061	A 352	A. G. Camb. 8267	27 42	28 53	183.0	0.18	8.2... 8.5	1902.73	A 2	(Bul. L. O. No. 29)
8062	β 1090	β Draconis	27 43	52 23	13.4	3.97	3.0... 14	1889.26	β 4	
8063	H 4964	L 31975	28 6	-11 10	233.8	80±	6½... 8	1835.4	H	
8064	Hu 180	SD (13°) 4664	28 40	-13 55	222.8	0.47	8.7... 8.8	1900.47	Hu 3	(A. J. 485)
8065	Σ 2184	54 Ophiuchi	28 51	13 15	76.8	21.42	6.3... 11.2	1830.19	Σ 3	6.3 yel.
8066	Glasenapp 7	DM (15°) 3213	28 52	15 24	241.8	8.95	8.2... 10.9	1895.61	Gla 4	From Glasenapp (IV)
8067	Σ 34, App. I	53 Ophiuchi	28 55	9 40	191.4	41.08	5.6... 7.3	1835.56	Σ 5	White
8068	Σ 2185	DM (6°) 3456	28 56	6 6	5.5	27.50	7.0... 10.0	1830.49	Σ 2	A and B } A and C } 7.0 wk.
8069	Σ 2183 rej.	L 32017	29 5	- 5 51	162.7	20±	7½... 10	1835.6	H	A and B } A and C }
8070	H 1300	DM (25°) 3297	29 30	25 25	300.1	8±	10 ...	1828+	H	A and BC } B and C }
8071	O Σ 332	DM (15°) 3219	29 30	15 24	113.8	10.14	7.2... 10.3	1848.29	O Σ 3	
8072	Hu 751	SD (20°) 4818	29 37	-20 52	159.0	0.30	8.0... 8.0	1902.52	Hu 1	
8073	Σ 2189 rej.	O. Arg. N. 17245	29 37	47 58	100.0	21.07	7.9... 10.3	1901.39	β 3	A and B } A and C }
8074	Σ 2187	DM (4°) 3452	29 44	4 14	177.6	3.13	8.3... 9.3	1830.88	Σ 3	White
8075	Σ 2186	DM (1°) 3463	29 45	1 5	82.7	2.90	7.5... 7.5	1831.20	Σ 3	White
8076	Σ 35, App. I	ν^1, ν^2 Draconis	29 48	55 16	313.0	61.74	4.6... 4.6	1833.85	Σ 5	Yel'sh wk.
8077	Σ 2248 rej.	DM (86°) 264, 263	30 :	86 57:	....	Cl. IV	8 ... 10	....	Σ	
8078	Σ 2188	W ^o XVII ^b . 548	30 24	6 42	203.8	5.47	8.5... 9.2	1831.45	Σ 3	White
8079	Hu 752	SD (19°) 4672	30 25	-19 59	328.9	2.74	9.0... 11.5	1902.52	Hu 1	
8080	Hn 30	L 32046	30 29	-23 19	111.7	3.28	8.3... 9.2	1881.43	β 3	
8081	H 2807	....	30 51	20 39	22.4	8±	7 ... 11	1830+	H	
8082	Σ 2190	P XVII ^b . 163	30 52	21 4	33.2	10.17	6.0... 9.5	1829.66	Σ 2	6.0 bluish wk.
8083	O Σ 333	W ^o XVII ^b . 578	31 13	10 39	....	obl?	7 ...	....	O Σ	
8084	Hn 137	SD (18°) 4592	31 17	-19 1	255.6	1±	10 ... 11.5	1888.67	Com 1	
8085	Hn 31	SD (14°) 4712	31 44	-14 46	338.2	1.38	8.9... 9.2	1881.38	β 2	
8086	β 1121	DM (12°) 3264	31 52	12 36	240.1	0.71	8.5... 9.0	1889.14	β 3	
8087	β 960	L 32122	32 3	- 1 5	294.9	3.18	8.4... 11.1	1880.53	β 4	
8088	Hd Zones	DM (0°) 3739	32 14	0 56	....	....	9-10...	....	Hd	
8089	Hu 181	SD (15°) 4635	32 31	-15 41	94.9	0.20	9.2... 9.6	1900.55	Hu 3	(A. J. 485)
8090	Ho 418	L 32130	32 43	-13 35	286.9	16.71	7 ... 13	1892.06	Ho 2	
8091	A. G. 210	DM (23°) 3151	32 49	23 2	172.1	2.83	9.0... 9.3	1902.54	M 3	
8092	H III. 40	(Herculis)	33 ±	....	136.0	10.33	....	1787.61	H	
8093	Sh 251	Ophiuchi 254	33 5	2 6	328.1	111.21	6 ... 7½	1823.42	Sh 2	A and B } A and C } B and C }
8094	Σ 2191	L 32179	33 25	- 4 54	268.2	26.48	7.0... 8.0	1831.48	Σ 3	A and B } B and C } white
8095	β 961	L 32206	33 32	3 28	141.4	8.00	6.9... 11.5	1880.65	β 7	
8096	Hu 182	SD (13°) 4704	33 36	-13 15	10.5	1.42	9.0... 9.3	1900.50	Hu 3	(A. J. 485)
8097	Ho 420	DM (37°) 2912	17 33 37	37 3	103.4	1.03	9.3... 9.6	1893.47	Ho 2	(See p. 1079)

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
8098	H 1301	....	17 ^h 33 ^m 43 ^s	29° 20'	90° 1	3' ±	11 = 11	1828+	H	
8099	β 962	26 <i>Draconis</i>	33 45	61 58	151.8	1.37	5.5...10.1	1879.97	β 4	
8100	β 631	<i>Ophiuchi</i> 255	33 47	— 0 35	73.0	0.40	7.0... 7.0	1879.55	β 4	
8101	H0 69	DM (17°) 054	33 56	37 0	141.0	1.64	8.3...12.1	1882.86	H0 3	
8102	See 336	SD (18°) 4617	34 14	—18 34	95.5	3.54	8.8...13.5	1897.60	See 1	
8103	Hn 138	O. Arg. S. 17072	34 19	—17 54	272.1	2.06	9.0... 9.7	1888.67	Com 3	
8104	Hu 183	SD (14°) 4726	34 39	—14 26	294.8	1.14	8.8... 9.6	1900.55	Hu 3	(A. J. 485)
8105	H III. 31	(<i>Herculis</i>)	35 ±	....	....	10 ±	....	1781.38	H 1	
8106	Hu 184	SD (15°) 4651	35 20	—15 40	274.0	4.48	8.5... 9.5	1900.55	Hu 3	
8107	Σ 2192	<i>Herculis</i> 315	35 24	29 18	88.4	10.41	7.5... 9.9	1833.45	Σ 5	7.5 <i>yel'ash</i>
8108	H 591	....	35 26	—22 19	15 ±	10 ±	10 ... 11	1820+	H	
8109	A. G. 211	DM (20°) 3540	35 27	20 21	129.7	2.36	9.0... 9.5	1902.48	Cg 3	
8110	Arg. 30	O. Arg. S. 17099	35 30	—29 53	290.3	36.81	8.0... 8.5	1880.38	Cin 1	
8111	H 1302	....	35 33	24 54	320.3	1 1/2	11 = 11	1828+	H	
8112	Egbert 5	....	36 :	24 54	50.0	10.37	10.0...11.5	1879.31	Cin 1	
8113	Σ 2193	W ¹ XVII ^b . 676	36 5	8 17	69.1	5.71	9.9... 9.9	1830.85	Σ 4	
8114	Σ 2194	P XVII ^b . 200	36 10	24 34	9.4	16.13	6.2... 8.5	1831.06	Σ 3	<i>Yel.: ash</i>
8115	OΣ (App) 157	P XVII ^b . 204	36 10	31 21	111.0	112.87	6.3... 7.3	1874.96	Δ 3	
8116	Σ 2195 <i>rej.</i>	....	36 16	21 15	101.1	21.60	9 ... 9	1901.41	β 2	
8117	H0 421	SD (12°) 4822	36 17	—12 59	339.8	5.34	8.0...12	1892.06	H0 2	(A. N. 3234)
8118	Σ 2199	DM (55°) 1961	36 24	55 49	116.4	1.67	7.2... 7.8	1830.94	Σ 3	<i>Yel'ash</i>
8119	Σ 2196	DM (21°) 3186	36 27	21 15	261.8	3.26	9.2...11.2	1829.71	Σ 3	
8120	β 1251	B. A. C. 5991	36 35	16 1	79.0	1.37	6.0...11.5	1891.56	β 3	
8121	Hu 185	SD (16°) 4519	36 36	—16 45	298.3	4.77	8.3...12.2	1900.55	Hu 3	(A. J. 485)
8122	O. Stone 36	O. Arg. S. 17123	36 42	—27 24	208.6	7.28	8.0...11.0	1879.01	Cin 2	
8123	A. G. 212	DM (5°) 3457	36 47	5 23	28.4	2.48	9.5... 9.5	1894.50	Lp	
8124	H0 559	DM (63°) 1365	36 50	63 27	298.3	2.67	9 ... 10	1895.64	H0 1	(A. N. 3557)
8125	Σ 2197	W ¹ XVII ^b . 1169	36 55	21 31	358.6	8.09	9.2... 9.7	1829.69	Σ 2	
8126	Σ 2207	DM (67°) 1027	37 14	67 11	128.1	1.09	8.0... 8.5	1832.99	Σ 3	<i>White</i>
8127	Σ 2203	<i>Herculis</i> 328	37 27	41 43	333.5	0.72	7.5... 7.8	1830.13	Σ 3	<i>White</i>
8128	OΣ (App) 158	....	37 27	41 43	....	Cl. IV	7 ... 7-8	....	OΣ	
8129	Σ 2198	DM (26°) 3066	37 49	26 36	24.8	7.65	7.0...11.0	1829.68	Σ 3	7.0 <i>yel.</i>
8130	See 337	Ord. DM (27°) 11888	37 56	—28 0	10.2	10.01	8 ... 9.5	1897.48	See 1	
8131	HΣ	DM (17°) 3319	37 58	17 45	50.1	15.74	8.5...11.5	1887.57	HΣ 1	
8132	Σ 2200	DM (5°) 3466	37 59	5 54	168.2	1.66	8.0... 8.8	1830.88	Σ 3	<i>White</i>
8133	A 233	A. G. Berlin 6104	38 16	24 51	233.4	3.15	8.2...13.3	1901.49	A 3	
8134	Σ 2201	DM (3°) 3483	38 24	3 1	302.2	7.20	7.8...10.5	1831.48	Σ 3	7.8 <i>yel.</i>
8135	Schj. 15	W ¹ XVII ^b . 726	38 28	— 1 41	355.5	55.03	7.1... 8.2	1890.46	Gla 2	
8136	Σ 2202	61 <i>Ophiuchi</i>	38 33	2 38	94.1	20.54	5.5... 5.8	1827.37	Σ 4	<i>White</i>
8137	H 1303	W ¹ XVII ^b . 1744	38 50	14 28	150.5	40 ±	5-6...11	1828+	H	7 m. in W ¹
8138	H0 560	DM (34°) 3031	39 2	34 0	92.4	0.35	8 ... 8	1894.62	H0 2	
8139	Σ 2210	DM (49°) 2680	39 6	49 3	121.9	2.97	8.5...10.0	1831.73	Σ 4	8.5 <i>yel.</i>
8140	Σ 2209 <i>rej.</i>	DM (43°) 2794	39 10	43 13	128.0	29.17	7.7... 9.7	1900.66	Es 2	
8141	A 31	SD (4°) 4346	39 15	— 4 21	1.2	1.18	9.0... 9.1	1899.66	A 3	
8142	A 32	L 32401	39 16	— 3 27	239.4	0.58	7.6... 9.5	1899.67	A 3	A and B } AB and C }
					139 ±	25 ±	7 ... 14	1835.6	H	
8143	OΣ 334	W ¹ XVII ^b . 1258	39 17	34 50	356.5	15.16	7.4... 8.8	1848.06	OΣ 4	
8144	Σ 2206	L 32402	39 18	19 3	248.8	1.09	8.1... 9.7	1830.85	Σ 4	8.1 <i>very wh.</i>
8145	Σ 2218	DM (63°) 1371	39 32	63 44	355.1	2.47	6.5... 7.7	1836.78	Σ 3	<i>White: ash</i>
8146	Σ 2204	L 32402	39 35	—13 16	23.6	14.28	7.0... 7.2	1830.90	Σ 3	<i>White</i>
8147	Δ 16	DM (43°) 2795	39 45	43 48	211.7	19.42	8.5... 8.8	1830.35	Σ 3	A and BC } (AB=
					144.4	1.28	...10.3	1865.61	Δ 5	B and C } Σ 2214)
8148	OΣ 340	Rad ¹ . 3798	39 53:	86 58	237.2	31.50	7.8... 8.3	1847.46	OΣ 3	
8149	Σ 2219	O. Arg. N. 17459	40 5	61 40	103.7	17.73	8.0... 9.0	1832.28	Σ 2	<i>Yel.: wh.</i>
8150	Σ 2208	SD (4°) 4349	40 11	— 4 26	275.4	8.63	8.7...10.5	1830.48	Σ 2	
8151	A 33	SD (3°) 4171	17 40 16	— 3 51	233.1	0.60	8.2... 9.8	1899.66	A 3	(A. N. 3635)

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Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
8152	Σ 2213	<i>Herculis</i> 331	17 ^h 40 ^m 19 ^s	31° 11'	333° 3	4.45	7.5... 8.0	1836.60	Σ 3	White
8153	Σ 2205	DM (17°) 3326	40 24	17 46	291.0	2.52	8.3... 8.7	1830.87	Σ 3	Very wh.
8154	Hu 186	SD (18°) 4645	40 26	-18 3	340.0	1.00	7.2... 11.3	1900.53	Hu 3	(A. J. 485)
8155	Σ 2211	L 32445	40 27	-1 10	115.5	9.70	8.2... 9.2	1830.46	Σ 2	Wh.
8156	Σ 2212	DM (5°) 3487	40 34	5 45	341.4	3.13	8.5... 8.8	1835.62	Σ 3	White
8157	OΣ 335	L 32480	40 51	21 56	140.3	24.96	7.3... 8.3	1846.91	OΣ 3	
8158	Ho 70	W ² XVII ^b . 1299	41 2	30 35	110.1	0.46	8.1... 8.1	1883.02	Ho 2	
8159	Σ 2216 <i>rej.</i>	DM (5°) 3494	41 9	5 44	27.2	27.54	8.5... 9.5	1894.50	Lp	
8160	Σ 2217	W ¹ XVII ^b . 800	41 14	14 49	284.7	6.57	7.4... 7.8	1830.27	Σ 5	Very wh.
8161	A. G. 213	A. G. Lund 7280	41 26	34 55	179.4	19.25	9.0... 9.6	1903.50	β 2	
8162	A. Clark 7	μ <i>Herculis</i>	41 47	27 48	241.3	29.88	3.8... 9.5	1831.60	Σ 3	A and BC
					59.3	1.82	10½... 11	1857.50	Da 2	B and C } 3.8 <i>yel.</i>
8163	Σ 2215	W ² XVII ^b . 1314	41 50	17 44	310.6	0.75	5.9... 7.9	1831.53	Σ 7	Wh.; ash
8164	Σ 2224	<i>Herculis</i> 337	42 1	39 22	352.1	7.52	6.9... 10.1	1831.11	Σ 4	6.9 <i>very yel.</i>
8165	Hu 187	SD (16°) 4622	42 6	-16 12	86.8	4.53	8.4... 12.3	1900.54	Hu 3	(A. J. 485)
8166	H I. 41	L 32725	42 17	72 59	350.0	Cl. I	....	1782.66	H I 1	
8167	Σ 2225	O. Arg. N. 17487	42 26	52 0	319.4	9.07	8.9... 9.2	1830.25	Σ 4	A and B }
					342.8	4.82	8.4... 11.6	1868.85	Δ 4	C and D }
					246.4	231.18	....	1869.48	Δ 3	A and C }
8168	Σ 2222	DM (14°) 3338	42 27	14 51	58.6	2.08	7.5... 9.2	1830.92	Σ 3	7.5 <i>yel.</i>
8169	H 2810	L 32492	42 28	-19 58	187.9	35±	8 ... 11	1830+	H	
8170	Σ 2226	DM (35°) 3065	42 30	35 41	92.5	10.96	8.5... 11.5	1829.75	Σ 2	8.5 <i>yel'sh</i>
8171	Σ 2221 <i>rej.</i>	DM (1°) 3516	42 38	1 12	....	III-IV	8.6...	....	Σ	Mag. from <i>Pos. Med.</i>
8172	β 824	DM (-1°) 3400	42 41	-1 50	350.9	0.67	8.5... 8.6	1881.40	β 3	
8173	H 4986	O. Arg. S. 17253	42 50	-26 18	330±	12±	8 ... 12	1834.3	H	
8174	H 1304	DM (25°) 3347	42 53	25 38	275.6	6±	10 ... 11	1828+	H	
8175	Σ 2229	O. Arg. N. 17493	42 55	50 14	342.0	6.13	7.7... 9.7	1830.46	Σ 3	7.7 <i>yel'sh</i>
8176	Σ 2223 <i>rej.</i>	DM (5°) 3505	43 3	5 1	209.8	18.32	8 ... 9-10	1894.50	Lp	
8177	β 358	W ² XVII ^b . 1374	43 10	34 32	202.8	4.29	8.5... 10.0	1879.37	Cin 2	
8178	O. Stone 37	B. A. C. 6026	43 29	-30 31	189.5	10.06	7.2... 8.2	1877.48	Cin 3	
8179	Σ 2228	DM (9°) 3476	43 31	9 13	107.3	18.58	9.0... 9.5	1829.55	Σ 2	
8180	β 632	L 32600	43 32	34 19	343.6	5.46	6.3... 12.5	1877.97	β 1	A and B }
					164.0	44.66	... 10.3	1843.31	Ma 1	A and C } AC = OΣ
8181	H 2811	SD (15°) 4695	43 40	-15 48	116.8	14±	10 ... 11	1830+	H	336 <i>rej.</i>
8182	Σ 2241	ψ <i>Draconis</i>	44 5	72 13	15.1	30.89	4.0... 5.2	1832.34	Σ 3	White
8183	Σ 2227	W ¹ XVII ^b . 850	44 8	5 22	296.6	19.68	8.8... 8.8	1830.22	Σ 3	
8184	H 855	DM (4°) 3520	44 20	4 16	83±	15±	10 = 10	1820+	H	
8185	β 1122	Cord. G. C. 24248	44 38	-28 27	175.2	1.31	10.4... 10.9	1889.39	β 3	B and C }
					10.3	6.39	8.0... 10.0	1877.57	Cin 1	A and BC }
					357.0	12.30	... 12	1897.61	A 1	A and D }
8186	OΣ 337	P XVII ^b . 260	44 46	7 16	304.6	0.56	7.5... 8.0	1849.67	OΣ 4	
8187	Σ 2230	DM (7°) 3482	44 54	7 57	82.6	44.39	8.2... 8.7	1831.64	Σ 3	A and B }
					209.2	18.78	... 10.5	1831.64	Σ 3	B and C } AB wh.
					107.0	36.45	....	1831.64	Σ 3	A and C }
8188	Hu 188	SD (13°) 4770	44 58	-13 35	48.8	0.48	9.0... 10.7	1900.50	Hu 3	(A. J. 485)
8189	Barnard 8	....	45 :	23 50:	239.5	1.26	8.5... 10.0	1895.36	Bar 1	(A. J. 447)
8190	A. G. 214	A. G. Leiden 6363	45 8	34 39	206.0	4.41	9.2... 10.2	1903.51	β 2	
8191	β 1123	Cord. G. C. 24262	45 20	-34 42	212.8	0.58	7.4... 7.8	1889.48	β 4	
8192	Σ 2232	DM (25°) 3357	45 22	25 19	142.9	6.51	7.0... 8.5	1830.75	Σ 3	Wh.; bluish
8193	Σ 2231 <i>rej.</i>	DM (12°) 3308	45 27	12 13	....	III-IV	8-9... 9	....	Σ	
8194	H 1305	DM (25°) 3358	45 29	25 7	284.9	9±	10 ... 11	1828+	H	
8195	H 4990	....	45 41	-22 19	....	....	....	1834+	H	
8196	H 4991	Cord. DM (26°) 12487	45 52	-26 38	179.0	18±	9½ = 9½	1834.3	H	
8197	Σ 2233	DM (2°) 3415	45 52	2 56	68.9	2.04	7.5... 10.3	1832.19	Σ 3	7.5 <i>yel'sh</i>
8198	S 694	<i>Ophiuchi</i> 295	45 55	1 8	237.9	82.68	7 ... 7¼	1825.00	S 2	
8199	Σ 2238	DM (37°) 2953	17 45 58	37 47	289.0	2.05	9.2... 9.7	1831.29	Σ 2	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
8200	Howe 41	....	17 ^h 46 ^m :	3° 21'	214.9	2.93	9.5...10.0	1879.46	Cin 1	
8201	Lewis 16	....	46 :	15 21:	354.5	1.26	10.0...10.5	1900.70	L 1	
8202	H 4993	SD (13°) 4778	46 6	-13 18	305.9	15±	9½...10	1835.6	H	
8203	Σ 2236	DM (35°) 3079	46 8	35 28	91.4	3.01	7.8... 9.8	1830.45	Z 3	7.8 wh.
8204	Σ 2234	SD (7°) 4515	46 13	- 7 55	199.7	16.23	8.6... 9.3	1831.93	Z 5	
8205	....	O. Arg. B. 17320	46 12	-28 40	2.2	2.01	10.0...11.0	1880.52	Cin 1	
8206	Σ 2237	DM (42°) 2929	46 14	41 59	8.2	20.37	7.2... 9.5	1829.73	Z 2	7.2 wh.
8207	Hu 189	SD (13°) 4779	46 17	-13 37	231.7	1.21	7.5... 8.7	1900.49	Hu 3	(A. J. 485)
8208	Ho 422	SD (5°) 4517	46 17	- 5 17	19.8	0.48	8.2... 9.0	1893.60	Ho 3	
8209	Σ 3128	W ¹ XVII ^b . 905	46 28	- 7 53	26.6	1.52	7.0...10.5	1834.24	Z 3	7.0 yel.
8210	OZ 338	L 32693	46 34	15 21	44.3	0.68	6.6... 6.9	1845.21	OZ 4	Golden
8211	Σ 2235	SD (2°) 4480	46 44	- 2 14	123.5	18.36	7.5... 9.1	1830.50	Z 4	7.5 yel.
8212	Ho 561	L 32682	46 49	- 5 54	329.2	32.12	6.5...11.7	1897.04	Ho 2	(A. N. 3557)
8213	Lewis 17	....	47 :	15 32:	292.7	2.18	9.0... 9.5	1902.67	L 1	(M. N. LXIII, 403)
8214	Hd 147	....	47 :	-17 22:	206.2	....	10 ...10	1868.52	Hd	
8215	Σ 2239	W ¹ XVII ^b . 1472	47 2	28 16	318.3	2.23	8.5... 9.0	1830.75	Z 3	
8216	H 4995	L 32695	47 26	-11 19	140±	18±	6½...12	1836.5	H	
8217	H 2812	....	47 27	-19 9	139.3	5±	11 ...12	1830+	H	
8218	β 964	Rnd ¹ . 3775	47 39	48 26	329.2	0.97	7.5...12.5	1879.27	β 1	
8219	Σ 2240	DM (5°) 3531	47 39	5 17	200.4	2.93	9.0... 9.7	1831.99	Z 3	White
8220	Σ 2242	W ¹ XVII ^b . 1511	47 40	44 56	327.0	3.46	7.8... 7.8	1830.44	Z 3	White
8221	A 234	A. G. Camb. 8496	47 42	25 38	30.5	0.41	8.8... 9.1	1901.60	A 4	
8222	H 1306	DM (14°) 3357	47 42	14 2	0.0	40±	9-10...10	1828+	H	
8223	H 1307	W ¹ XVII ^b . 1493	47 45	27 13	327.0	25±	8 ...11	1828+	H	
8224	OZ (App) 160	DM (10°) 3315	47 46	10 59	190.9	102.17	8.2... 8.6	1900.46	β 2	
8225	Ku 56	DM (19°) 3457	48 4	19 5	126.8	2.88	9.6...10.3	1901.55	Ku 2	A and B } Kustner
					359.2	25.48	...10.4	1901.55	Ku 2	A and C } (38x)
8226	Innes 109	Cord. 17 ^b . 3241	48 9	-28 3	242.5	5.63	9.7...10.5	1900.54	I 1	
8227	Hu 139	L 32716	48 13	-11 37	154.2	3.71	6.5...10.3	1888.63	Com 3	
8228	A. Clark 8	DM (29°) 3134	48 15	29 42	224.0	0.35±	8.2 ...8.2	1857.62	Da 1	
8229	Ho 562	DM (20°) 3595	48 16	20 57	257.8	3.46	9 ... 9.5	1896.52	Ho 2	(A. N. 3557)
8230	A 235	A. G. Berlin 6181	48 25	25 1	65.2	0.20	7.9... 8.1	1901.60	A 4	
8231	H 2813	W ¹ XVII ^b . 1523	48 37	23 9	219.5	12±	9 ...11	1830+	H	
8232	Ho 71	....	48 48	55 24	226.8	3.67	9.2... 9.6	1885.13	Ho 2	
8233	H 4997	SD (11°) 4481	49 1	-11 55	265.7	12±	10 = 10	1835.6	H	
8234	Σ 2243	DM (36°) 2966.	49 4	36 7	46.7	1.74	8.3... 8.8	1831.06	Z 3	Yel.
8235	β 130	90 Hercules	49 24	40 2	123.0	1.82	5.9... 9.2	1875.52	β 6	
8236	H 2814	B. A. G. 6065	49 25	-15 47	159.4	20±	6-7...10	1830+	H	A and B }
					348.7	25±	...16	1830+	H	A and C }
8237	A. Clark 9	DM (29°) 3139	49 31	29 50	231.2	1.12	8.3... 8.8	1857.52	Da 2	
8238	A 236	A. G. Camb. 8520	49 40	25 28	245.1	4.02	8.8...15.0	1901.47	A 3	
8239	A. G. 215	A. G. Liden 6413	50 38	31 35	53.9	28.96	9.5...10.5	1903.95	β 2	
8240	H 5002	Cord. DM (23°) 13702	50 53	-23 58	39.5	3±	11 = 11	1834.3	H	
8241	Σ 2244	DM (0°) 3816	50 55	0 5	272.7	1.05	6.9... 7.1	1830.92	Z 4	White
8242	OZ 339	L 32876	51 3	21 31	181.3	2.78	7.5... 9.9	1852.61	OZ 7	
8243	Σ 2245	P XVII ^b . 300	51 8	18 21	294.0	2.62	7.0 = 7.0	1829.18	Z 4	Yel'sh wh.: wh.
8244	H 5003	B. A. G. 6074	51 23	-30 14	104±	6±	7 ... 8	1837.5	H	
8245	Ho 72	DM (33°) 2990	51 27	33 27	7.8	3.22	9.0...11.5	1885.11	Ho 2	A and B }
					38.4	9.25	...13	1883.52	Ho 1	A and C }
8246	Σ 2246	DM (39°) 3269	51 28	39 31	102.5	5.50	8.3... 8.8	1831.45	Z 3	White
8247	Σ 2251	DM (49°) 2708	51 32	49 39	32.5	14.41	8.2...11.2	1830.43	Z 3	8.2 yel.
8248	Kr 47	A. G. Hols. 9522	51 40	64 16	25.6	7.32	9.5...10.5	1890.77	β 1	
8249	β 1299	DM (10°) 3337	51 50	10 58	153.6	0.51	8.5... 8.5	1900.49	β 2	A and B }
					63.0	27.09	...11.5	1900.50	β 3	AB and C }
8250	Hu 190	SD (13°) 4807	51 56	-13 3	218.1	0.48	9.2...10.5	1900.47	Hu 3	(A. J. 485)
8251	Δ 17	DM (29°) 3150	52 3	29 31	131.1	23.62	9.1... 9.5	1868.57	Δ 3	
8252	β 417	L 32939	17 52 13	39 27	270.2	1.58	8.1...10.0	1877.37	Δ 4	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
8253	Σ 2250	W ¹ XVII ^b . 1058	17 ^h 52 ^m 50 ^s	− 6° 51′	346° 5	7.72	8.0... 9.0	1830.84	Z 3	Very wh.
8254	Ho 423	DM (28°) 2872	52 52	28 1	292.4	4.46	8.3... 11.0	1890.54	Ho 2	
8255	Σ 2253	W ¹ XVII ^b . 1073	52 55	14 38	80.4	18.06	7.5... 10.2	1829.53	Z 2	7.5 yet Fsh
8256	Bird 3	O. Arg. N. 17688	52 55	67 1	329.6	23.01	8.4... 8.5	1879.29	β 1	A and B
					330.0	10.15	... 11.0	1879.29	β 1	B and C
					147.2	11.87	....	1879.29	β 1	A and C
8257	Σ 2247	DM (29°) 3153	52 57	29 30	191.2	11.39	8.5... 9.0	1830.99	Z 2	White
8258	Hu 191	SD (13°) 4812	52 57	−13 44	120.9	4.30	9.1... 9.2	1900.47	Hu 3	(A. J. 485)
8259	Ho 73	DM (35°) 3111	52 58	35 42	30.5	1.68	9.0... 9.0	1885.10	Ho 2	A and B
					301.9	8.38	... 13	1885.10	Ho 2	AB and C
8260	Σ 2252	W ¹ XVII ^b . 1063	52 58	2 3	22.9	3.77	8.0... 8.3	1831.34	Z 3	White
8261	Ho 424	L 32949	53 1	28 16	202.7	0.95	8.0... 11.0	1890.54	Ho 2	
8262	H 1308	....	53 3	9 24	113.6	12±	10 = 10	1828+	H	
8263	Σ 2255	DM (41°) 2934	53 4	41 16	342.7	8.31	8.5... 10.5	1830.74	Z 2	
8264	Σ 2257 <i>rej.</i>	DM (35°) 3112	53 8	35 42	149.5	21.42	7 ... 11	1900.55	Es 2	
8265	Hu 192	SD (14°) 4841	53 10	−14 29	136.2	2.53	9.0... 12.8	1900.58	Hu 3	(A. J. 485)
8266	Hu 753	SD (11°) 4507	53 18	−11 32	128.1	5.66	8.5... 12.0	1900.47	Hu 3	
8267	Ho 425	L 32969	53 24	27 25	142.5	5.31	7.0... 12.0	1891.54	Ho 2	
8268	Σ 2254	DM (12°) 3346	53 27	12 27	260.0	3.22	8.3... 8.7	1831.00	Z 3	Very wh.
8269	A 34	SD (5°) 4550	53 31	− 5 25	293.2	1.28	9.0... 13.2	1899.68	A 3	(A. N. 3635)
8270	Σ 2258	DM (48°) 2602	53 35	48 38	221.4	2.60	8.5... 8.7	1830.07	Z 3	Very wh.
8271	Hu 235	DM (45°) 2629	53 41	45 52	265.4	1.53	6.7... 9.3	1900.71	Hu 3	(A. J. 494)
8272	H 2816	....	53 45	21 55	137.7	5±	11 ... 12	1830+	H	
8273	H 2815	....	53 48	−18 59	113.1	12±	9-10... 12	1830+	H	
8274	β 633	γ Draconis	53 49	51 30	152.1	20.88	2 ... 13	1878.38	β 2	A and B
					227.1	47.89	... 12.5	1878.38	β 1	A and C
					13.7	56.68	... 12.5	1878.38	β 1	A and D
					234.8	97.54	... 11.5	1898.30	β 2	A and E
					116.3	124.77	... 10.8	1879.27	β 1	A and F
					28.0	139.24	... 11.5	1898.27	β 1	A and G
8275	Hu 140	SD (20°) 4945	53 56	−20 47	265.6	2.19	8.8... 9.9	1888.68	Com 3	
8276	Ho 74	DM (33°) 3000	54 0	33 30	122.2	3.01	8.7... 12.7	1883.63	Ho 2	
8277	O. Stone 38	Corl. DM (27°) 12259	54 3	−27 39	85.1	6.5±	8.5... 10.5	1877.60	Cin 1	
8278	Hu 236	SD (10°) 4581	54 17	−10 11	119.0	1.20	9.0... 12.5	1900.51	Hu 1	(A. J. 494)
8279	Σ 2259	W ¹ XVII ^b . 1702	54 27	30 3	278.6	19.38	7.0... 8.0	1831.78	Z 3	Vel.: blue
8280	OE (App) 161	L 32901	54 29	8 52	77.9	62.70	6.3... 8.2	1874.98	Δ 3	
8281	Cordoba	Corl. DM (27°) 12272	54 30	−27 30	159.7	2.90	8.5... 9.0	1901.37	β 1	
8282	H III. 107	....	54 34	−21 48	215.2	15.17	....	1783.64	H 1	
8283	Espin 78	DM (51°) 2283	54 35	51 12	136.5	6.5	8.8... 11.5	1901	Es	(A. N. 3784)
8284	β 1124	67 (e) Ophiuchi	54 38	2 56	195.6	6.79	5 ... 14.8	1889.39	β 3	A and B
					129.2	8.46	9 ... 13	1878.57	β 1	C and D
					143.1	55.23	... 9	1823.41	Sh 1	A and C
					179.8	45.94	... 12	1878.57	β 1	A and E
8285	β 283	B. A. C. 6088	54 38	−22 47	239.3	8.05	6 ... 12.5	1878.86	β 3	A and B
					34.4	14.10	... 14	1892.39	β 1	A and C
8286	Ho 75	W ¹ XVII ^b . 1727	54 45	34 5	212.7	1.29	9 ... 11	1883.64	Ho 2	
8287	Espin 20	T Draconis	54 49	58 14	227.6	14.32	Var... 10.0	1892.53	Es 2	(A. N. 3717)
8288	β 47	L 32978	54 52	−10 14	268.3	1.84	8.9... 10.9	1875.74	Δ 4	(See p. 1079)
8289	O. Stone 39	....	55 :	−24 22:	347.5	3.68	9 ... 9	1877.61	Cin 1	
8290	H 1309	DM (25°) 3400	55 1	25 33	2.4	2±	10 ... 11	1828+	H	
8291	H 1310	....	55 4	25 35	25.3	6±	10 ... 10-11	1828+	H	
8292	H N. 40	L 32971	17 55 6	−23 1	22.5	6.06	8.0... 10.6	1890.54	β 3	A and B
					212.3	10.71	... 8.8	1890.54	β 3	A and C
					281.7	2.17	... 10.5	1890.55	β 2	C and D
					190.8	6.19	... 12.4	1890.55	β 3	C and E
					106.4	22.06	... 13.8	1890.55	β 3	A and F
					211.9	29.56	... 13.2	1890.55	β 3	C and G

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
8293	Hn 32	Cord. DM (27°) 12299	17 ^h 55 ^m 15 ^s	-27° 4'	101° 5'	4.54	8.0... 8.8	1881.44	β 3	
8294	Arg. 31	O. Arg. S. 17511	55 17	-24 15	27.5	35.64	8.0... 9.0	1879.59	Cin 2	
8295	OΣ (App) 163	Rad. 3808	55 22	62 37	36.9	59.39	7.0... 7.1	1875.58	Δ 3	
8296	Weisse 32	W ¹ XVII ^b . 1120	55 22	-14 30	....	....	9 ...	....	....
8297	Σ 2261	O. Arg. N. 17707	55 23	52 14	262.5	9.21	7.5... 9.5	1829.80	Σ 2	7.5 yel'sh wh.
8298	β 1202	DM (3°) 3564	55 33	3 32	353.1	0.74	8.2... 9.3	1890.48	β 3	A and B
					93.2	3.91	9.4... 11.3	1890.48	β 3	C and D
					28.2	103.87	....	1890.47	β 4	AB and C
					138.5	90.32	... 8.5	1890.47	β 3	AB and E
8299	β 1125	68 Ophiuchi	55 40	1 19	14.9	1.01	5.1... 9.9	1889.39	β 5	
8300	O. Stone 40	....	56 :	-27 32:	163.3	3.10	7.7... 8.5	1877.08	Cin 3	
8301	Σ 2263	DM (26°) 3145	56 6	26 33	161.8	7.27	8.2... 9.2	1830.75	Σ 3	White
8302	Σ 2264	95 Hercules	56 24	21 36	261.7	6.06	4.9... 4.9	1829.90	Σ 4	Greenish yel.; reddish yel.
8303	Σ 2262	7 Ophiuchi	56 33	- 8 11	199.9	0.43	5.0... 5.7	1836.62	Σ 5	Yel'sh.
8304	β 635	DM (1°) 3565	56 41	1 37	114.5	1.58	9.0... 10.0	1878.07	β 2	A and B
					121.8	69.31	... 8.1	1891.55	β 2	A and C
8305	A 35	SD (2°) 4537	56 43	- 2 37	294.6	1.56	8.6... 8.8	1899.69	A 3	(A. N. 3635)
8306	β 1126	Yar. 7599	56 53	-24 15	55.6	0.63	8.7... 9.5	1889.40	β 4	A and B
					23.3	4.05	... 9.6	1889.40	β 4	A and C
8307	S 698	L 33058	56 57	-22 30	317.4	30.92	8 ... 9½	1825.51	S 2	9½ blue
8308	Egbert 6	....	57 :	-25 28:	14.3	4.80	9.2... 9.7	1879.59	Cin 2	
8309	Ho 76	L 33130	57 12	33 20	202.4	13.34	6 ... 13	1884.75	Ho 3	
8310	Ho 563	DM (53°) 2010	57 14	53 4	202.4	0.77	9 ... 9	1897.55	Ho 2	
8311	Hu 193	SD (14°) 4870	57 14	-14 15	122.3	0.63	9.5... 9.6	1900.58	Hu 3	(A. J. 485)
8312	H 5010	O. Arg. S. 17564	57 15	-24 20	....	....	....	1834+	H	
8313	See 346	Cord. G. C. 24577	57 21	-29 35	233.4	33.38	4.9... 14.6	1897.48	See 1	
8314	OΣ (App) 164	DM (7°) 3537, 3536	57 26	7 55	2.9	49.80	7.3... 8.2	1875.00	Δ 3	
8315	H 2817	SD (19°) 4825	57 31	-19 36	275.7	7 ±	10 ... 10-11	1830+	H	
8316	Ho 564	DM (26°) 3151	57 37	26 22	324.7	23.24	7.0... 12.7	1897.04	Ho 2	(A. N. 3557)
8317	H 5013	SD (15°) 4801	57 38	-15 5	339 ±	4 ±	9 ... 13	1835.6	H	
8318	Hu 194	SD (17°) 5007	57 40	-17 2	305.4	0.45	8.6... 10.0	1900.59	Hu 4	(A. J. 485)
8319	Σ 3129	DM (45°) 2643	57 41	45 21	168.6	31.11	7.3... 10.2	1830.38	Σ 3	7.3 wh.
8320	Σ 2271	DM (52°) 2125	57 41	52 51	262.3	1.88	7.3... 8.3	1831.48	Σ 3	White
8321	Σ 2267	DM (40°) 3263	57 48	40 11	234.2	1.41	8.0... 8.0	1830.66	Σ 3	White
8322	Ho 77	L 33163	57 49	40 20	312.0	1.87	7.7... 12	1884.20	Ho 2	
8323	Σ 2270 rej.	DM (45°) 2645	57 59	45 17	....	Cl. II	8-9... 9	....	Σ	
8324	Σ 2265	DM (6°) 3607	58 15	6 27	282.7	24.49	8.4... 9.4	1831.30	Σ 4	White
8325	β 825	L 33157	58 20	25 22	197.7	11.41	8.4... 13	1881.37	β 3	A and B
					232.2	9.82	... 8.5	1891.44	β 2	B and C
					218.2	18.13	8.0... 9.0	1829.70	Σ 2	A and C
8326	Ho 565	DM (26°) 3157	58 21	26 4	62.4	0.31	8.3... 8.3	1896.92	Ho 2	
8327	Σ 2266	L 33133	58 23	3 29	184.3	8.81	8.0... 10.5	1830.52	Σ 2	8.0 very wh.
8328	Σ 2299 rej.	DM (84°) 397	58 29:	84 5	....	Cl. IV	8 ... 8	....	Σ	
8329	Σ 2273	O. Arg. N. 17787	58 35	64 9	284.7	20.53	6.8... 7.3	1832.49	Σ 3	Yel'sh wh.; bluish wh.
8330	Σ 2269	L 33158	58 43	14 47	164.4	20.10	7.5... 10.8	1830.28	Σ 3	7.5 wh.
8331	β 1127	Groom. 2500	58 59	44 14	144.7	0.80	7.8... 9.7	1889.53	β 3	
8332	Hd 148	....	59 :	-25 25:	14.9	5.35	11 ... 11	1868.60	Hd 1	
8333	Lewis 18	....	59 :	44 13:	134.3	0.53	8.9... 9.0	1899.37	L 1	
8334	H 1311	....	59 3	13 29	92.5	4 ±	11 ... 12	1828+	H	
8335	Ho 426	W ¹ XVII ^b . 1848	59 6	26 39	192.8	12.36	7 ... 12	1890.60	Ho 2	
8336	H 1312	....	59 15	13 33	57.5	12 ±	10 ... 11	1828+	H	
8337	Σ 2275	DM (39°) 3308	59 20	39 21	127.9	1.08	9.0... 9.2	1832.20	Σ 3	
8338	Doo 10	....	59 20	41 58	293.5	4.38	9.2... 11.0	1900.66	Doo 3	
8339	H 5016	W ¹ XVII ^b . 1221	59 22	- 4 33	89.3	5 ±	10 ... 11	1835.6	H	
8340	Σ 2272	70 Ophiuchi	59 23	2 33	148.2	3.98	4.1... 6.1	1825.57	Σ 14	Yel.: purple
8341	H 2818	SD (17°) 5020	17 59 35	-17 13	144.0	12 ±	9-10... 10	1830+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
8342	H 592	O. Arg. S. 17633	17 ^h 59 ^m 39 ^s	-19° 0'	215° ±	25" ±	8 ... 10	1820+	H	
8343	Σ 2274 rej.	DM (23°) 3255	59 47	23 53	....	Cl. IV	8 ... 10	....	Σ	
8344	OE 534	W ² XVII ^b . 1880	59 54	21 26	272.8	2.13	7.5... 9.5	1852.95	OE 3	7.5 reddish
8345	Lewis 19	....	18 0 :	39 23:	271.5	0.20	9.0... 9.2	1897.47	L 1	
8346	O. Stone 41	....	0 :	-19 0:	277.4	19.58	8.5... 9.2	1879.93	Cin 2	
8347	Σ 2277	Herculis 401	0 1	48 28	117.9	27.59	6.3... 8.2	1830.06	Σ 3	6.3 wh.
8348	Σ 2276	P XVII ^b . 362	0 8	12 0	257.9	6.84	6.0... 7.0	1830.09	Σ 3	Yel'sh wh.; bluish wh.
8349	OE (App) 165	W ² XVII ^b . 1247	0 8	4 33	142.3	65.98	7.4... 7.9	1874.98	Δ 3	
8350	Wash. Zones	No. 56, Z 164	0 9	-25 35	65.6	13.53	8.0... 9.0	1877.58	Cin 1	
8351	Espin 79	DM (55°) 2014	0 27	55 52	81.4	5.6	9.3... 11.5	1901	Es	A and B } (A, N. 3784)
					94.2	24.6	... 9.3	1901	Es	A and C }
8352	Ho 78	W ² XVII ^b . 1917	0 29	33 16	202.3	7.74	7.0... 13	1884.81	Ho 2	
8353	OE 341	W ² XVII ^b . 1915	0 44	21 26	93.4	0.49	6.4... 7.7	1849.18	OE 6	
8354	Σ 2278	O. Arg. N. 17821	0 47	56 26	22.5	38.92	6.8... 7.3	1831.56	Σ 3	A and B }
					147.8	5.97	... 7.8	1831.56	Σ 3	B and C } White
8355	β 243	O. Arg. S. 17669	0 55	-22 17	123.3	0.76	8.2... 8.2	1881.58	β 3	
8356	β 244	L 33188	1 1	-27 53	261.1	2.06	8.0... 9.0	1876.56	Cin 1	
8357	Σ 2284	DM (65°) 1233	1 13	65 57	193.7	3.67	7.6... 9.2	1832.81	Σ 3	Yel'sh: ash
8358	β 418	O. Arg. N. 17847	1 28	64 26	227.9	14.33	8.2... 12.0	1879.29	β 1	
8359	OE 342	72 Ophiuchi	1 40	9 33	301.2	25.30	4 ... 14	1890.63	H Σ 3	A and C }
					170 ±	60 ±	... (14)	1827.60	H	A and D }
8360	Σ 2279	DM (50°) 2520	1 42	50 52	182.8	12.99	8.7... 8.8	1829.51	Σ 3	
8361	H 1313	DM (28°) 2919	1 42	28 42	321.9	8 ±	10 ... 12	1828+	H	
8362	A. G. 216	A. G. Alb. 6092	1 43	3 16	88.4	1.89	9.0... 9.1	1902.46	M 3	
8363	Ho 79	DM (33°) 3025	1 47	33 25	7.5	0.37	9.0... 9.0	1884.60	Ho 1	
8364	OE 343	L 33337	1 47	48 8	77.5	2.64	7.2... 10.2	1846.68	OE 3	
8365	Ho 427	SD (22°) 4583	1 57	-22 48	67.4	11.30	8.5... 12	1890.61	Ho 1	
8366	H 2819	SD (18°) 4805	2 1	-18 27	115.0	15 ±	10 ... 11	1830+	H	
8367	β 636	L 33280	2 4	2 12	127.0	4.92	7.0... 12.2	1878.62	β 2	A and B }
					99.8	15.08	... 14	1898.34	β 1	A and C }
8368	β 826	DM (9°) 3566	2 5	9 45	341.1	0.60	9.6... 9.7	1881.57	β 3	
8369	H V. 74	L 33302	2 17	13 3	129.2	40.90	....	1783.43	H 1	
8370	OE 524	L 33312	2 18	19 39	86.5	0.37	7.0... 8.3	1853.36	OE 4	
8371	β 245	Sagittarii 46	2 21	-30 45	352.1	4.02	6.0... 9.0	1877.53	Cin 1	
8372	A. Clark 15	99 Herculis	2 28	30 33	347.1	1.71	6 ... 10.5	1859.63	Da 2	
8373	Barnard 9	....	2 37	-24 8	185.1	5.09	10 ... 12	1894.59	Bar 2	A and B }
					140.0	34.15	... 13	1894.59	Bar 2	A and C }
8374	H 1314	DM (32°) 3049	2 37	32 22	152.5	15 ±	9-10... 10	1828+	H	
8375	Σ 2282	Herculis 414	2 38	40 21	93.2	2.44	7.2... 8.2	1831.34	Σ 3	Very wh.
8376	Ho 428	Cord. G. C. 24715	2 39	-29 14	80.3	0.74	8 ... 8	1893.54	Ho 1	
8377	Σ 2280	100 Herculis	2 59	26 5	182.9	13.85	5.9... 5.9	1831.72	Σ 6	Greenish wh.
8378	Perry	....	3 :	9 20:	305.0	2.0	8.5... 11	1881.38	P	
8379	Hu 314	DM (18°) 3566	3 14	18 37	146.6	0.35	8.3... 8.5	1901.50	Hu 3	(Bul. L. O. No. 12)
8380	Σ 2281	73 Ophiuchi	3 36	3 58	259.7	1.54	5.7... 7.2	1831.05	Σ 3	White
8381	S 700	SD (16°) 4736	3 38	-16 47	354.6	28.97	9 ... 9½	1825.53	S 2	
8382	A. G. Clark 8	102 Herculis	3 38	20 48	136.7	23.42	5.5... 12.5	1878.45	β 1	
8383	Σ 2290	DM (40°) 2730	3 39	50 0	351.2	3.89	... 10.8	1832.17	Σ 3	
8384	Σ 2283	DM (6°) 3638	3 43	6 8	91.9	1.28	... 7.7	1832.60	Σ 6	
8385	Σ 2285	DM (13°) 3540	3 45	13 28	338.7	1.4	... 10.0	1830.30	Σ 3	8.2 yel'sh wh.
8386	Hu 195	SD (17°) 5052	3 48	-17 10	72	4.9	... 4.9	1900.58	Σ 4	A and B }
					28			1820+		AB and C }
8387	β 759	Cord. G. C. 24739	3 49	-39 22	1:			1889.40	Σ 3	A and B }
					1:					and C }
8388	β 637	W ² XVIII ^b . 28	3 54	3 6	15					
8389	Hu 315	DM (23°) 3272	4 3	23 33	4					L. O.
8390	β 132	B. A. C. 6158	18 4 7	-19 52	246					

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
8391	OΞ 344	L 33444	18 ^h 4 ^m 7 ^s	49° 42'	155° 1	2' 17	6.7...10.8	1847.69	OZ 3	6.7 wh.
8392	Σ 2286	L 33355	4 17	0 31	322.0	2.42	7.5...10.2	1831.68	Z 3	7.5 very wh.
8393	β 638	DM (2°) 3516	4 19	2 34	10.5	1.71	9.0...11.8	1878.62	β 2	B and C }
					152.0	22.33	9.0...	1878.62	β 1	A and B }
8394	Σ 2288 <i>rej.</i>	W ⁺ XVIII ^b . 40	4 22	2 30	63.0	16.18	9.5...12	1863.63	Hl 1	
8395	H 5030	L 33330	4 24	-23 44	281.0	30±	5½...13	1834.3	H	
8396	H 2820	SD (18°) 4826	4 45	-18 26	281.9	3±	10 ...13	1830+	H	A and B }
					90.0	8±	...12	1830+	H	A and C }
8397	H0 80	DM (35°) 3161	4 47	35 9	188.4	0.46	7.5...11	1884.72	H0 1	
8398	Σ 2289	<i>Herculis</i> 417	4 47	16 27	243.1	1.20	6.0... 7.1	1829.96	Z 4	Yel.: bluish
8398½	H0 267	<i>Schj.</i> 6581	4 53	- 5 13	355.6	15.70	7 ...13	1889.72	H0 1	(A. N. 2977)
8399	A 237	DM (31°) 3188	4 54	31 43	98.6	1.88	9.0...11.0	1901.72	A 3	
8400	H0 429	SD (15°) 4856	4 57	-15 42	24.0	3.26	8.1...12	1889.67	H0 2	
8401	Hu 316	DM (18°) 3578	5 4	18 15	156.8	1.75	9.0...10.1	1901.50	Hu 3	(Bul. L. O. No. 12)
8402	H 1315	....	5 18	29 39	133.7	3±	10-11.12	1828+	H	
8403	Lv 7	SD (15°) 4864	5 35	-15 23	278.0	3.80	8.1...11.7	1892.53	Lv 2	
8404	Σ 2291	DM (34°) 3141	5 53	34 0	339.2	25.12	8.5... 9.0	1830.73	Z 2	White
8405	H 1821	SD (16°) 4755	5 54	-16 20	273.6	4±	11 ...11+	1828+	H	
8406	A 36	....	5 58	- 7 19	195.4	1.29	11.0...11.3	1899.76	A 1	
8407	H0 81	W ⁺ XVIII ^b . 140	5 58	32 20	211.3	2.53	8.0...11.7	1883.64	H0 2	
8408	Hu 317	DM (17°) 3470	6 1	17 12	21.4	1.87	8.5... 8.8	1901.54	Hu 3	(Bul. L. O. No. 12)
8409	A 37	SD (6°) 4724	6 4	- 6 5	35.7	2.13	10.1...10.5	1899.75	A 2	(A. N. 3635)
8410	A 83	SD (3°) 4252	6 17	- 3 31	312.8	0.78	8.4... 8.5	1900.36	A 4	(A. N. 3668)
8411	A 238	A. G. Camb. 8712	6 28	25 18	89.5	0.49	8.5... 9.5	1901.50	A 3	
8412	A 353	A. G. Albany 6143	6 30	4 14	14.0	1.65	8.9...11.0	1902.72	A 3	(Bul. L. O. No. 29)
8413	β 292	μ <i>Sagittarii</i>	6 35	-21 5	259.2	16.91	4 ...11.0	1878.42	β 1	A and B }
					118.7	25.20	...13	1878.51	β 1	A and C }
					312.1	48.32	... 9.5	1879.36	β 1	A and D }
					115.4	50.13	... 9.5	1879.36	β 1	A and E }
8414	β 131	L 33443	6 42	-15 38	278.5	2.71	7.2... 9.2	1875.01	Δ 4	A and B }
					278.7	7.13	...11.6	1880.53	β 2	A and C }
8415	H 594	O. Arg. B. 17855	6 43	-18 50	122.0	7.38	7.5... 8	1857.55	Se 2	A and B }
					238.8	13.30	... 8.7	1857.55	Se 2	A and C }
8416	Hu 674	DM (50°) 2531	6 45	50 23	279.0	0.47	7.5... 8.0	1904.32	Hu 2	
8417	Σ 2293 <i>rej.</i>	DM (48°) 2649	6 46	48 22	....	III-IV	8 ...11	....	Z	
8418	OΞ 345	L 33474	6 57	5 48	65.0	1.04	7.3...10.3	1845.15	OZ 2	
8419	Hn 141	O. Arg. B. 17868	7 0	-23 42	26.4	1.57	9.2...10.2	1888.68	Com 3	
8420	Σ 2302	<i>Draconis</i> 159	7 16	75 46	246.1	5.84	7.0...10.0	1833.26	Z 3	A and B } 7.5 very wh.
					282.2	23.21	... 9.5	1833.26	Z 3	A and C } 9.5 bluish
8421	Σ 2292	DM (27°) 2977	7 21	27 37	261.2	1.39	8.0... 8.1	1830.40	Z 4	Very wh.
8422	H0 82	L 33521	7 22	33 25	207.1	0.55	6 ...10	1885.11	H0 2	
8423	See 348	Ord. G. C. 24836	7 38	-24 32	310.1	0.67	9 ...10	1897.67	Cg 1	
8424	A 239	A. G. Hein. 9670	7 44	59 43	39.0	17.50	8.5...	1901.72	A 1	A and B }
					189.0	3.50	10.0...11.2	1901.81	A 2	B and C }
					87.2	24.52	... 9.0	1901.72	A 1	A and D }
8425	H 2825	DM (22°) 3304	7 52	22 30	22.0	12±	10-11.12	1830+	H	
8426	H 2823	SD (19°) 4923, 4922	7 55	-19 58	300±	....	....	1830+	H	
8427	Hn 142	L 33492	7 58	-11 15	243.2	1.18	9.8...10.0	1888.72	Com 3	
8428	Σ 2295	DM (31°) 3203	8 4	31 33	173.9	11.60	8.2...10.3	1831.41	Z 3	8.2 yel.
8429	β 286	16 <i>Sagittarii</i>	8 4	-20 25	218.5	5.67	6.0...13	1878.57	β 3	
8430	Hn 196	DM (8°) 3621	8 10	8 57	345.1	0.25	9.0... 9.2	1900.59	Hu 2	(A. J. 482)
8431	W V. 93	W ⁺ XVIII ^b . 210, 211	8 17	28 13	135.7	47.77	....	1783.65	W 1	
8432	H 256	W ⁺ XVIII ^b . 130	8 23	- 4 43	237±	18±	9+...10	1820+	H	
8433	Σ 2294	DM (0°) 3892	8 25	0 9	91.9	1.06	7.4... 7.7	1831.00	Z 4	White
8434	See 349	....	8 27	-18 41	122.7	11.08	8 ...13.7	1897.75	See 1	
8435	H 2824	SD (16°) 4773	18 8 27	-16 51	63.3	18±	9 ...10	1830+	H	Both rather brighter (1896)

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
8436	A 84	SD (2°) 4579	18 ^h 8 ^m 32 ^s	- 2° 33'	316° 3	3.72	8.5... 9.5	1900.36	A 4	(A. N. 3668)
8437	A. G. 217	DM (53°) 2043	8 32	53 28	242.1	15.82	9.2... 9.5	1900.54	Es 2	
8438	β 1091	L 33592	8 35	38 34	38.1	0.53	8.6... 8.6	1888.78	β 2	
8439	Ho 268	DM (20°) 3705	8 50	20 14	s	1±	7 ... 11	1887.63	Ho	
8440	Σ 2298	DM (41°) 3010	8 51	41 21	185.5	2.39	8.5... 9.7	1831.52	Σ 3	8.5 wh.
8441	Σ 2308	40 and 41 <i>Draconis</i>	9 1	79 59	235.6	20.62	5.4... 6.1	1832.95	Σ 5	White
8442	A 38	SD (9°) 4675	9 7	- 9 59	125.7	0.70	9.2... 9.7	1899.76	A 1	
8443	β 284	L 33525	9 13	-19 2	359.8	17.96	7.2... 10.9	1891.63	β 2	A and B
					87.0	31.29	... 10.8	1891.63	β 2	A and C
					199.7	11.95	... 11.0	1891.63	β 2	A and a
					66.6	22.09	... 10.8	1891.63	β 2	A and δ
					328.9	5.04	... 11.9	1891.63	β 2	B and c
8444	H 2828	DM (21°) 3355, 3356	9 18	21 25	111.1	15±	10 = 10	1830+	H	
8445	H 1316	DM (13°) 3572	9 19	13 24	265.3	8±	10 ... 11	1828+	H	
8446	Hu 58	SD (10°) 4639	9 22	-10 7	125.8	0.74	8.9... 9.2	1899.58	Hu 3	(A. J. 480)
8447	Σ 2296	SD (3°) 4257	9 24	- 3 24	7.0	3.33	6.7... 10.3	1829.53	Σ 3	6.7 yellow
8448	β 285	O. Arg. S. 17953	9 26	-25 3	315.7	1.75	8.8... 9.7	1880.47	β 1	A and B
					20.7	1.65	9.5... 10.5	1880.47	β 1	C and D
					141.0	59.66	....	1880.47	β 1	A and C
					115.6	30.72	... 12.0	1893.70	W 1	C and E
8449	β 760	η <i>Sagittarii</i>	9 30	-36 48	107.0	3.51	3½... 11.4	1889.41	β 4	A and B
					276.2	33.34	... 13	1896.48	A 2	A and C
					302.8	93.22	... 10.0	1889.41	β 2	A and D
8450	A 576	A. G. Boan 11806	9 35	43 13	345.9	0.32	9.1... 9.6	1903.50	A 3	(Bul. L. O. No. 50)
8451	Hu 318	DM (23°) 3283	9 35	23 33	166.2	0.61	10 0... 11.0	1901.69	Hu 3	(Bul. L. O. No. 12)
8452	H 2826	....	9 47	-16 53	80±	3±	12 ... 12	1830+	H	In a cluster
8453	H 2827	SD (19°) 4926	9 59	-19 55	254.8	15±	9-10 = 9-10	1830+	H	
8454	OΣ 346	L 33631	10 14	19 44	327.7	5.50	7.5... 8.3	1847.90	OΣ 4	
8455	OΣ (App) 167	DM (4°) 3676	10 17	4 31	79.3	53.83	7.4... 8.2	1875.65	Δ 4	
8456	β 246	Cord. G. C. 24920	10 34	-19 43	108.6	0.42	8.0... 8.0	1875.49	Δ 6	
8457	H 2829	SD (16°) 4795	10 37	-16 41	300±	2½	8.9... 12	1830+	H	A and B
					150±	3½	... 11	1830+	H	A and C
8458	β 463	SD (16°) 4797	10 44	-16 54	104.2	2.18	10.0... 11.0	1888.71	Com 4	
8459	β 299	L 33598	10 48	-18 51	66.0	29.42	6.9... 13.5	1891.65	β 2	A and f
					327.9	22.04	... 13.5	1891.65	β 1	A and A
					22.1	22.20	... 12.9	1892.65	β 1	A and e
					131.9	10.44	... 13.5	1891.64	β 2	B and c
					305.3	7.11	... 12.9	1891.65	β 2	e and d
					317.4	8.39	13.0... 13.5	1891.65	β 1	g and A
					12.1	54.30	7 ... 10	1823.53	Sh 2	A and B
8460	Σ 2301	W ² XVIII ^b . 269	10 48	23 57	122.6	22.69	8.5... 9.0	1830.26	Σ 2	Yellowish blue
8461	H 857	W ¹ XVIII ^b . 192	10 53	- 7 20	20±	15±	8 ... 14	1820+	H	
8462	Howe 42	L 33604	10 55	-18 45	194.8	20.24	8.5... 10.0	1879.46	Cin 1	
8463	H.C. Wilson 16	....	11 ±	-17 0:	261.2	9.10	8.8... 9.0	1883.50	W 1	
8464	Ho 269	....	11 11	20 12	159.3	6.48	9.5... 10.2	1895.42	Ho 4	
8465	Hu 59	SD (13°) 4916	11 18	-13 12	339.0	0.66	8.6... 8.9	1899.58	Hu 3	(A. J. 480)
8466	Hu 319	DM (22°) 3325	11 26	22 47	71.7	0.34	9.2... 9.6	1901.69	Hu 3	(Bul. L. O. No. 12)
8467	β 639	L 33642	11 40	-18 40	155.3	0.57	7.2... 7.7	1878.66	β 2	A and B
					325.5	8.30	... 13.5	1891.65	β 2	C and D
					52.6	16.42	7 ... 8	1823.45	Sh 1	AB and C
8468	OΣ 349	Rad ² . 3903	11 53	83 54	95.3	0.62	7.5... 8.0	1846.72	OΣ 3	
8469	Σ 2307	DM (69°) 970	12 8	69 13	205.2	4.25	8.5... 8.5	1832.80	Σ 4	Very wh.
8470	A 240	A. G. Camb. 8785	12 8	26 44	359.8	2.29	8.5... 13.2	1901.50	A 3	
8471	H 1317	....	12 10	27 20	131.6	12±	10 ... 11	1828+	H	
8472	H 2830	....	12 11	5 56	88.0	10±	11 ... 12	1830+	H	
8473	Hu 60	SD (11°) 4590	18 12 12	-11 3	239.6	0.99	8.7... 12.2	1899.64	Hu 3	(A. J. 480)

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
8474	A 241	DM (26°) 3211	18 ^h 12 ^m 21 ^s	26° 38'	287° 9	0.45	9.3... 9.6	1901.50	A 3	(Bul. L. O. No. 16)
8475	See —	O. Arg. B. 18039	12 27	-19 47	226.4	0.98	7.0... 7.3	1897.72	See 1	(A. N. 3784)
8476	β 1274	B. A. C. 6216	12 35	56 33	239.1	95.61	6.4...	1892.35	β 2	See (3496)
					147.1	0.88	9.8... 10.6	1892.37	β 3	A and B
					8.5	5.03	... 10.4	1892.37	β 3	B and C
8477	H 2831	DM (23°) 3295	12 42	23 52	352.5	10±	10 ... 11	1830+	H	B and D
8478	Hu 61	SD (14°) 4997	12 45	-14 50	116.7	2.38	9.0... 10.0	1899.62	Hu 4	(A. J. 480)
8479	Σ 2304	DM (40°) 3331	13 13	40 13	68.5	4.93	8.1... 9.4	1830.85	Σ 4	8.1 <i>yel'ish</i>
8480	See 350	δ <i>Sagittarii</i>	13 19	-29 53	276.4	25.78	3 ... 14.5	1896.72	See 1	A and B
					165.1	40.14	... 15	1896.72	See 1	A and C
					221.3	58.13	... 13	1896.72	See 1	A and D
8481	H 5494	B. A. C. 6213	13 20	7 12	65±	45±	5 ... 15	1827.6	H	
8482	Σ 2305	DM (51°) 2342	13 24	51 17	333.6	4.73	8.2... 9.8	1831.65	Σ 3	8.2 <i>wh.</i>
8483	Schj. 16	SD (5°) 4626	13 24	-5 1	192.8	2.28	7.9... 9.2	1874.47	Δ 3	
8484	A. G. 218	A. G. Alb. 6188	13 27	3 17	279.7	2.60	9.0... 9.3	1903.31	M 3	
8485	Σ 2303	<i>Scutum</i> Sob. 15	13 34	-8 2	216.4	3.22	6.7... 9.2	1831.20	Σ 5	6.7 <i>yel'ish</i>
8486	A. G. 219	A. G. Alb. 6189	13 38	2 4	35.9	7.31	9.1... 10.2	1902.97	M 3	
8487	A 577	A. G. Bonn 11856	13 45	43 53	283.2	0.71	8.3... 11.3	1903.57	A 3	(Bul. L. O. No. 50)
8488	β 48	L 33729	13 55	-19 43	360.0	2.33	8.0... 10.0	1874.86	Δ 3	
8489	Hu 197	DM (10°) 3473	14 1	10 14	28.0	0.36	8.2... 9.3	1900.58	Hu 3	
8490	Perrine	DM (13°) 3607	14 14	14 0	3.8	3.39	8.8... 10.2	1900.24	P 2	
8491	A 578	A. G. Bonn 11859	14 14	43 48	28.4	0.22	8.6... 9.1	1903.60	A 4	A and B
					176.0	1.72	... 13.4	1903.60	A 4	AB and C (Bul. L. O. No. 50)
8492	A. G. 220	DM (50°) 2557	14 21	51 0	309.1	11.26	9.1... 9.2	1900.52	Es 2	
8493	H 1318	....	14 23	28 5	141.9	3±	11 ... 11	1828+	H	
8494	A 242	A. G. Camb. 8812	14 30	29 32	294.5	1.07	9.0... 12.0	1901.72	A 3	
8495	A 579	A. G. Bonn 11861	14 31	43 31	341.9	1.49	8.7... 12.7	1903.54	A 3	(Bul. L. O. No. 50)
8496	H 5495	74 <i>Ophiuchi</i>	14 53	3 19	290±	18±	5 ... 15	1827.5	H	
8497	A. G. 221	DM (21°) 3386	14 56	21 17	14.4	1.42	9.0... 9.4	1901.71	Hu 3	
8498	Σ 8, App. II	η <i>Serpentis</i>	15 6	-2 56	77.2	112.70	3.3... 12.0	1836.46	Σ 3	3.3 <i>yel.</i>
8499	Hu 62	SD (11°) 4605	15 6	-11 42	212.6	0.40	9.0... 9.4	1899.56	Hu 3	(A. J. 480)
8500	H 1319	DM (32°) 3099	15 13	32 9	192.8	13±	9 ... 11	1828+	H	
8501	Σ 2309	DM (25°) 3493	15 14	25 29	354.7	3.52	8.5... 9.0	1830.75	Σ 3	White
8502	Δ 18	L 33796	15 22	-15 9	219.5	12.81	7.2... 7.9	1831.91	Δ 4	A and BC } AB=Σ 2306
					64.3	0.82	8.2... 8.5	1865.18	Δ 6	B and C } <i>Yel. very blue</i>
8503	Espin —	DM (64°) 1256	15 35	64 1	332.7	8.6	8.2... 12.0	1903	Es	(M. N. LXIV, 238)
8504	Σ 2310	DM (22°) 3337	15 37	22 45	233.8	4.97	7.0... 10.3	1830.78	Σ 3	7.0 <i>very wh.</i> (See p. 1080)
8505	β 1252	L 33818	15 55	-11 55	182.4	1.21	8.0... 9.0	1876.70	Δ 2	
8506	O. Stone 42	....	16 :	-18 55:	84.6	6.72	8.5... 9.0	1879.30	Cin 1	
8507	β 640	<i>Herculis</i> 443	16 3	27 28	346.2	2.37	7.5... 12.2	1878.91	β 2	
8508	Ho 566	O. Arg. B. 14305	16 6	-26 14	155.8	0.3±	8 ... 8	1896.52	Ho 1	
8509	Hu 237	SD (17°) 5172	16 10	-17 7	23.5	0.43	8.5... 9.5	1900.62	Hu 2	(A. J. 494)
8510	Σ 2312	DM (28°) 2982	16 26	28 17	336.8	1.49	8.5... 9.5	1831.00	Σ 4	
8511	Ho 490	DM (20°) 3750	16 28	20 27	191.8	2.17	8.5... 9.0	1890.61	Ho 2	
8512	Σ 2311	W' XVIII ^b . 337	16 38	11 23	170.7	8.65	8.9... 9.9	1830.30	Σ 4	
8513	A 243	A. G. Camb. 8839	16 40	26 0	66.6	1.56	9.0... 12.3	1901.70	A 3	
8514	β 641	L 33897	16 42	21 27	349.2	1.00	7.1... 9.0	1880.12	β 5	
8515	Hu 238	DM (9°) 3680	16 43	9 54	163.6	0.96	8.6... 9.2	1900.58	Hu 3	(A. J. 494)
8516	A. G. 222	DM (14°) 3502	16 44	14 10	148.8	1.88	8.6... 8.8	1900.24	P 2	
8517	Σ 2326	DM (81°) 619, 618	16 59	81 27	201.7	15.60	7.7... 8.7	1832.30	Σ 3	Wh.: ash
8518	Lewis 20	....	17 :	20 29:	338.5	2.30	7.5... 9.0	1902.66	L 1	
8519	Lewis 21	....	17 :	30 34:	110.8	6.51	10 ... 11	1900.70	L 1	(M. N. LXI, 486)
8520	β 49	O. Arg. B. 18155	17 3	-19 38	49.1	7.82	8.0... 11.3	1875.19	Δ 3	
8521	H 1320	DM (30°) 3185	17 20	30 57	149.2	15±	9-10 = 9-10	1828+	H	
8522	H 1321	DM (39°) 3395	17 22	39 16	95.8	8±	10 ... 11	1828+	H	
8523	Hu 63	SD (12°) 5034	18 17 28	-12 16	316.1	2.98	8.5... 12.5	1899.56	Hu 3	(A. J. 480)

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
8524	Hu 581	DM (14°) 3507	18 ^h 17 ^m 29 ^s	14° 55'	119° 9'	0.31	8.4... 9.0	1902.64	Hu 3	(Bul. L. O. No. 27)
8525	H 1322	....	17 54	27 43	246.1	15±	9 ... 11	1828+	H	
8526	See 352	Cord. 18 ^h . 1117	17 55	-30 17	72.3	2.96	7.5... 13.9	1897.70	See 1	
8527	H 858	DM (1°) 3663	17 58	1 27	230±	8±	10 ... 11	1820+	H	
8528	Cordoba	Cord. 18 ^h . 1122	18 6	-27 28	359.6	5.67	8.0... 8.1	1897.67	See 1	
8529	A. Clark 10	21 <i>Sagittarii</i>	18 12	-20 36	293.4	2.45	5 ... 8.5	1853.70	Da 2	Yellow: blue
8530	Σ 2313	SD (6°) 4755	18 16	- 6 40	199.0	6.13	7.2... 8.5	1832.23	Z 3	Yel'sh wh.: ash
8531	Σ 2314	DM (23°) 3325	18 26	23 23	328.5	2.43	8.4... 9.6	1830.99	Z 4	8.4 yel'sh
8532	Hu 64	SD (16°) 4864	18 26	-16 34	12.1	4.04	9.0... 10.0	1899.65	Hu 1	(A. J. 480)
8533	Hu 144	Yar. 7794	18 29	-21 6	39.2	3.07	9.0... 9.0	1888.71	Com 4	
8534	Ho 83	W ^o XVIII ^h . 502	18 34	27 28	262.3	0.4±	8.7... 8.7	1884.79	Ho 1	
8535	A. Clark 11	L 33959	18 44	- 1 39	178.1	0.4±	7.0... 7.2	1854.70	Da 2	
8536	Hu 582	DM (48°) 2683	18 58	48 18	195.2	2.19	7.8... 12.0	1902.67	Hu 2	(Bul. L. O. No. 27)
8537	OΣ 347	L 33976	19 1	7 10	339.8	3.35	7.2... 11.0	1849.70	OZ 2	
8538	β 1325	DM (20°) 3770	19 23	20 24	346.1	6.25	8.4... 13.2	1903.48	β 3	
8539	H 1323	....	19 27	12 49	284.1	10±	10 ... 11	1828+	H	
8540	A 244	A. G. Camb. 8871	19 27	28 14	269.8	0.44	9.3... 9.7	1901.75	A 3	
8541	Ho 431	L 34064	19 41	38 17	358.9	21.23	7.0... 12.5	1892.14	Ho 2	
8542	Ho 432	DM (38°) 3160	19 56	38 41	289.4	17.16	6.5... 13	1892.14	Ho 2	
8543	β 1203	<i>Serpentis</i> 191	19 57	0 43	67.8	0.30	7.5... 7.7	1890.67	β 3	
8544	β 965	SD (17°) 5196	20 2	-17 15	105.6	1.57	8.1... 11.8	1880.60	β 3	
8545	Ho 84	....	20 3	27 20	312.9	2.02	9 ... 11	1885.70	Ho 1	
8546	A 85	SD (2°) 4623	20 7	- 2 58	189.6	4.32	8.9... 12.0	1900.48	A 3	(A. N. 3668)
8547	Hu 239	SD (21°) 5005	20 8	-21 59	184.3	3.13	9.0... 9.2	1900.56	Hu 3	(A. J. 494)
8548	Σ 2315	<i>Herculis</i> 452	20 12	27 20	281.1	0.59	7.0... 8.0	1830.74	Z 4	White
8549	β 133	B. A. C. 6261	20 15	-26 42	265.3	1.80	7.5... 7.5	1875.66	Sp 4	
8550	Σ 2317 rej.	DM (26°) 3247	20 30	26 1	225.2	24.97	8.1...	1904.33	β 3	A and B }
					322.1	0.98	10.8... 11.0	1904.34	β 2	B and C }
					190.2	44.66	... 9.7	1904.33	β 3	A and D }
8551	Σ 2318	DM (25°) 3520	20 37	25 56	257.2	20.51	8.0... 10.2	1829.74	Z 2	8.0 yel'sh
8552	Ho 85	W ^o XVIII ^h . 561	20 37	28 1	196.2	4.70	8.0... 12.0	1885.07	Ho 2	
8553	H 5496	L 34034	20 40	- 8 7	....	....	6 ...	1823+	H	
8554	A 580	A. G. Lelp. 8498	20 41	7 37	322.7	4.05	8.7... 10.8	1903.38	A 3	(Bul. L. O. No. 90)
8555	Lewis 22	....	21 :	26 2:	309.6	5.56	10 ... 10	1900.70	L 1	(M. N. LXI, 486)
8556	Lewis 23	....	21 :	25 58:	138.8	1.50	9.5... 10.0	1901.48	L 1	
8557	Schj. 17	W ^o XVIII ^h . 449	20 43	6 27	351.0	50.44	8.6... 9.3	1904.28	β 2	
8558	Hu 240	SD (21°) 5010	20 48	-21 40	34.9	4.83	8.5... 10.7	1900.56	Hu 3	(A. J. 494)
8559	A 86	SD (6°) 4765	20 57	- 6 21	286.2	2.61	9.2... 10.3	1900.49	A 3	(A. N. 3668)
8560	Esplan —	DM (51°) 2372	20 57	51 36	198.7	2.75	8.6... 8.7	1903.69	Es 2	
8561	OΣ 350	W ^o XVIII ^h . 456	21 2	6 21	168.9	1.72	7.4... 9.0	1852.68	OZ 4	7.4 bluish
8562	Σ 2316	59 <i>Serpentis</i>	21 4	0 7	314.1	3.95	5.5... 7.8	1828.62	Z 6	Yel.: blue
8563	H 2832	O. Arg. B. 18250	21 9	-21 19	15.0	18±	9-10... 11	1830+	H	
8564	Wash. Zones	B. A. C. 6270	21 29	-26 39	182.7	41.79	6.7... 7.7	1890.50	Gla 2	
8565	H. N. 125	L 34048	21 33	-25 7	....	Cl. I	....	1801.67	H	
8566	Hu 241	SD (21°) 5019	21 40	-21 27	35.7	4.26	8.8... 10.5	1900.56	Hu 3	(A. J. 494)
8567	β 264	DM (27°) 3023	21 43	27 16	360±	8±	8.5... 12	1874.72	β	
8568	β 464	W ^o XVIII ^h . 476	21 45	6 29	111.3	1.20	8.5... 9.5	1877.17	Δ 2	
8569	β 1326	DM (26°) 3259	21 51	26 23	104.8	5.06	7.2... 13.4	1904.31	β 3	A and B }
					61.0	61.59	... 9.2	1904.31	β 3	A and C }
8570	H 1324	....	21 51	28 37	10.8	3±	11 ... 12	1828+	H	
8571	β 134	O. Arg. W. 18233	21 59	46 49	133.7	1.07	7.9... 9.8	1875.18	Δ 4	
8572	Lewis 24	....	22 :	25 58:	263.7	2.94	9.5... 10.0	1901.54	L 1	(M. N. LXII, 395)
8573	H 5497	....	22 :	-10 18:	225±	20±	....	1823+	H	
8574	Σ 2323	39 <i>Draconis</i>	22 10	58 44	5.9	3.14	4.7... 7.7	1833.20	Z 7	A and B } 4.7 yel'sh
					21.7	88.99	... 7.1	1834.27	Z 6	A and C } wh.: 7.7
					309.6	0.34	....	1898.82	Hu 5	A and B } bluish wh.: 7.1 ash
8575	Hu 66	Rad ^a . 3923	18 22 11	48 42	309.6	0.49	7.3... 8.0	1846.40	OZ 3	A and B } (AC=
					25.0	0.49	....	....		AB and C } OZ 351)

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
8576	H 1325	....	18 ^h 22 ^m 16 ^s	29° 45'	279° 0	1 $\frac{3}{4}$ '	11 ... 12	1828+	H	
8577	Hu 67	SD (15°) 4982	22 26	-15 8	323.5	1.73	8.8...12.0	1899.65	Hu 1	(A. J. 480)
8578	OZ 353	ϕ Draconis	22 29	71 16	63.6	0.56	4.8... 6.5	1856.13	OZ 6	4.8 <i>yel'sk</i>
8579	Z 2319	W ^a XVIII ^a . 607	22 30	19 13	191.0	5.61	7.2... 7.6	1830.40	Z 4	A and B } AB wh.
					279.0	38.42	...10.0	1829.38	Z 3	A and C }
8580	Hu 242	SD (21°) 5024	22 33	-21 48	275.0	0.82	10.0...10.7	1900.56	Hu 3	(A. J. 494)
8581	Ho 433	W ^a XVIII ^a . 616	22 37	28 51	327.4	9.06	8.2...12.5	1890.58	Ho 1	
8582	OZ (App) 168	Schj. 6765	22 38	4 46	164.8	48.13	7.4... 8.4	1875.37	d 4	
8583	A. G. 223	DM (24°) 3423	22 38	24 18	....	....	9.2...	....	....
8584	Z 2320	Herculis 457	22 50	24 37	11.4	1.79	7.1... 9.0	1831.51	Z 4	Very wh.: <i>ash</i>
8585	H 859	SD (2°) 4638	22 59	- 2 52	220±	11±	10 ... 12	1820+	H	
8586	Hu 65	DM (84°) 409	23 :	84 34	268.0	1.49	9.2...10.0	1898.59	Hu 3	
8587	A 581	A. G. Alb. 6247	23 5	4 4	80.0	0.31	8.4... 8.8	1903.41	A 4	A and B } (Bul. L. O. No. 90)
					234.8	8.48	...15.2	1903.43	A 2	AB and C }
8588	OZ 352 <i>rej.</i>	Rnd ² . 3929	23 6	46 44	222.4	24.23	7.1... 8.3	1866.56	d 3	
8589	Hu 68	SD (12°) 5071	23 11	-12 20	120.5	3.06	8.9...11.0	1899.56	Hu 3	(A. J. 480)
8590	Howe 43	B. A. C. 6285	23 12	-33 4	204.8	2.41	6.0...12.0	1877.53	Cin 1	(= β 1198)
8591	Hu 320	DM (16°) 3515	23 17	16 9	143.7	2.04	9.2... 9.6	1901.60	Hu 3	(Bul. L. O. No. 12)
8592	Hu 69	SD (13°) 5003	23 17	-13 2	245.9	0.32	8.0... 8.0	1899.63	Hu 3	(A. J. 480)
8593	A 582	A. G. Ldp. 8564	23 40	7 17	47.9	2.96	7.8...13.5	1903.38	A 3	(Bul. L. O. No. 90)
8594	Z 2321	W ^a XVIII ^a . 528	23 52	1 6	190.6	6.68	7.9... 9.5	1830.06	Z 4	Wh.
8595	Z 2322	Tauri Pm. 47	24 8	3 59	170.5	19.57	5.7...11.0	1828.65	Z 2	5.7 <i>yel'sk wh.</i>
8596	Hd Zones	W ^a XVIII ^a . 542	24 21	0 38	215.6	5.66	9.0...11.0	1879.38	Cin 2	
8597	See 354	L 34188	24 24	-18 29	182.9	25.54	5.8...14.7	1897.73	See 1	
8598	Z 2327	DM (29°) 3270	24 33	29 51	314.9	19.27	7.3...11.0	1830.76	Z 3	7.3 <i>yel.</i>
8599	Ho 434	L 34264	24 33	29 32	186.3	11.49	7.3...12.2	1891.58	Ho 3	
8600	A 583	A. G. Alb. 6252	24 36	4 12	298.3	0.31	8.6... 9.1	1903.40	A 3	(Bul. L. O. No. 90)
8601	Z 2332 <i>rej.</i>	....	24 42	64 50	262.8	11.18	9.2...11.2	1901.44	β 3	
8602	H 1326	....	24 43	32 14	20.6	8±	10 ... 10-11	1828+	H	
8603	A 245	A. G. Camb. 8966	24 45	26 44	357.5	3.25	8.7...13.1	1901.70	A 2	
8604	OZ (App) 170	L 34232	24 45	4 26	5.7	101.69	6.5... 7.7	1875.64	d 4	
8605	Z 2325	Scutum Sob. 29	24 46	-10 53	257.9	12.35	6.0... 9.3	1829.58	Z 3	6.0 wh.
8606	Hu 243	SD (17°) 5225	24 47	-17 2	354.5	1.34	9.4... 9.8	1900.65	Hu 2	(A. J. 494)
8607	Z 2328	DM (29°) 3271	24 51	29 51	73.0	3.45	8.0... 8.3	1830.39	Z 3	White
8608	Z 2334 <i>rej.</i>	DM (62°) 1623	24 51	62 50	213.5	13±	10 ... 11	1830+	H	
8609	Z 2324	L 34233	24 53	1 19	146.0	2.43	8.2... 8.5	1829.64	Z 4	Yel'sk wh.
8610	Hu 583	DM (13°) 3662	24 56	13 43	306.1	0.83	9.0... 9.5	1902.65	Hu 3	(Bul. L. O. No. 97)
8611	H 860	DM (9°) 3746	25 13	9 20	278±	15±	10 ... 12	1820+	H	
8612	A 87	SD (3°) 9296	25 14	- 3 58	293.3	1.47	9.0...11.7	1900.44	A 3	A and B }
					315.1	4.27	... 9.1	1900.44	A 3	A and C }
					357.7	4.06	...13.3	1900.44	A 3	C and D }
8613	Ho 435	SD (14°) 5096	25 21	-14 5	41.7	0.89	9.5... 9.5	1893.65	Ho 3	
8614	β 966	B. A. C. 6301	25 25	-19 3	120.2	0.62	9.0... 9.5	1880.61	β 3	B and C }
					252.8	66.34	6.7...	1880.58	β 3	A and BC }
8615	Z 2329	DM (6°) 3824	25 35	6 23	43.3	4.18	7.7... 9.0	1830.57	Z 3	White
8616	A 246	A. G. Camb. 8984	25 35	25 14	160.9	1.19	9.0...11.5	1901.70	A 3	
8617	β 247	L 34253	25 36	- 9 27	167.4	7.62	7.8...11.2	1875.43	d 3	
8618	Z 2330	DM (13°) 3667	25 41	13 6	176.9	20.31	7.3... 9.0	1829.28	Z 3	7.3 wh.
8619	β 419	L 34259	25 42	- 7 55	57.6	1.22	8.5... 9.2	1877.03	d 3	
8620	β 420	W ^a XVIII ^a . 722	25 53	37 5	277.0	1.45	9.7...11.0	1873.13	d 4	A and B }
					198.1	21.58	...11.0	1880.42	β 1	A and C }
8621	Hu 244	DM (11°) 3494	25 59	11 57	255.6	1.09	8.9...12.2	1900.47	Hu 4	(A. J. 494)
8622	OZ 354	L 34301	26 12	6 42	154.5	0.79	7.2... 8.0	1846.75	OZ 3	
8623	A 248	A. G. Camb. 8991	26 18	25 11	35.9	0.44	9.7... 9.8	1901.70	A 3	
8624	A 247	DM (31°) 3282	18 26 21	31 10	55.6	2.68	8.5...13.3	1901.74	A 3	

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8625	Σ 2335	DM (34°) 3222	18 ^h 26 ^m 27 ^s	34° 11'	321° 1	12.07	8.5...11.5	1833.40	Z 2	A and B }
					151.0	23.50	...10.3	1833.40	Z 3	A and C }
8626	H 5498	....	26 29	- 8 50	100±	6±	13 ...14	1827.6	H	"A third star 15 m."
8627	A 584	A. G. Bonn 12039	26 35	43 15	10.7	4.29	8.5...14.2	1903.57	A 2	(Bul. L. O. No. 90)
8628	Σ 2333	W ¹ XVIII ^h . 741	26 38	32 10	335.3	6.28	7.5... 8.1	1831.22	Z 4	Wh.: ashy wh.
8629	Hu 321	DM (23°) 3357	26 42	23 5	340.1	4.41	9.3...11.1	1901.66	Hu 3	(Bul. L. O. No. 12)
8630	β 642	SD (10°) 4718	26 45	-10 32	91.5	4.11	9.0...11.0	1878.50	β 1	
8631	Σ 2338	DM (38°) 3200	26 50	38 35	300.5	13.35	8.5... 9.7	1829.26	Z 2	8.5 yel'sh
8632	H 1328	DM (41°) 3076	27 6	41 48	109.0	12±	9-10...10-11	1828+	H	
8633	Hu 245	DM (11°) 3504	27 12	11 42	52.4	2.06	8.2... 9.2	1899.07	Hu 3	(A. J. 494)
8634	Σ 2336	W ¹ XVIII ^h . 626	27 20	13 44	7.5	6.31	8.7... 9.8	1830.26	Z 3	8.7 yel'sh
8635	H 861	DM (3°) 3741	27 21	3 36	180±	7-8	10 ...11	1820+	H	
8636	OΞ 355 rej.	L 34350	27 38	8 11	248.5	38.97	6.2... 9.5	1866.51	A 3	6.2 wh.
8637	Schj. 18	DM (7°) 3741	27 49	7 21	197.6	45.83	8.9... 9.0	1901.51	β 2	
8638	Hu 246	SD (21°) 5056	27 59	-21 46	69.4	2.72	9.2...10.2	1900.68	Hu 3	(A. J. 494)
8639	Σ 2337	W ¹ XVIII ^h . 629	28 5	-14 48	297.4	16.40	7.8... 8.8	1829.60	Z 3	Wh.: bluish
8640	β 1253	Lyrae 28	28 15	30 28	156.3	7.44	6.2...13.5	1891.38	β 3	
8641	H 5051	Ord. DM (28°) 14742	28 16	-28 55	230.6	5±	9½...10	1834.6	H	
8642	Hu 322	DM (17°) 3627	28 27	17 38	86.3	0.19	8.0... 8.2	1901.61	Hu 3	A and B } Wh.: blue
					271.5	2.33	7.2... 8.0	1830.03	Z 3	AB and C } AC =
					104.6	21.51	8.3... 9.2	1830.43	Z 3	Σ 2339
8643	Σ 2340	DM (31°) 3287	28 30	31 30	104.6	21.51	8.3... 9.2	1830.43	Z 3	
8644	H 1329	W ¹ XVIII ^h . 655	28 32	11 17	328.0	8±	9-10...17	1828+	H	"Very delicate"
8645	H 863	....	28 35	- 3 24	255±	3±	12 = 12	1820+	H	"Between two stars 10 and 11 m."
8646	OΞ (App) 171	P XVIII ^h . 126	28 50	38 45	319.1	141.58	6.6... 7.4	1875.44	A 4	
8647	See 355	SD (19°) 5097	28 52	-19 19	238.9	12.95	6 ...13.9	1897.73	See 2	
8648	Ho 86	DM (35°) 3288	29 14	35 5	181.7	0.37	8.0... 8.3	1886.74	Ho 2	
8649	Σ 2343	DM (64°) 1270	29 16	65 1	215.5	8.60	8.8...10.2	1832.49	Z 3	
8650	OΞ 356 rej.	L 34475	29 20	40 4	306.5	38.33	7.0...8.7	1866.67	A 3	A and B }
					47.2	....	... 9.5	1866.67	A 3	A and C }
					2.5	....	....	1866.67	A 3	B and C }
8651	Σ 2341	W ¹ XVIII ^h . 674	29 21	11 21	266.5	15.42	8.5... 9.7	1828.62	Z 2	
8652	Espin 21	DM (41°) 3084	29 30	41 54	103.0	6.57	10 ...10	1892.61	Es 2	(A. N. 3717)
8653	Ho 567	L 34399	29 32	-20 25	160.1	1.19	7.2...10.5	1895.59	Ho 2	
8654	β 643	L 34438	29 41	4 50	338.2	8.86	...12.5	1878.23	β 3	A and B } 5.7 wh.
					11.9	26.91	5.7... 8.5	1830.71	Z 4	A and C } AC =
					130.3	0.24	9.0... 9.5	1895.64	Bar 3	Σ 2342
8655	Barnard 10	L 34422	29 47	-12 5	130.3	0.24	9.0... 9.5	1895.64	Bar 3	
8656	O. Stone 43	DM (2°) 3622	29 56	2 28	28.3	9.57	8.5...10.4	1879.42	Cin 3	
8657	A 354	A. G. Albany 6284	30 8	5 1	8.2	4.33	8.9...12.2	1902.70	A 3	(Bul. L. O. No. 29)
8658	Σ 2344	DM (28°) 3027	30 19	28 38	179.0	1.38	8.5...12.0	1829.72	Z 1	
8659	OΞ 357	DM (11°) 3518	30 21	11 38	275.5	0.48	7.5... 7.6	1845.15	OΞ 2	
8660	Σ 2345	W ¹ XVIII ^h . 866	30 23	20 59	185.1	7.38	8.4...10.1	1832.25	Z 4	8.4 wh.
8661	A 355	A. G. Leip. II 8657	30 25	5 10	143.8	1.18	9.0...11.5	1902.70	A 2	(Bul. L. O. No. 29)
8662	OΞ 359	P XVIII ^h . 132	30 31	23 31	354.1	0.66	6.6... 6.9	1849.54	OΞ 6	
8663	OΞ 358	W ¹ XVIII ^h . 869	30 32	16 53	227.0	1.23	6.8... 7.2	1845.41	OΞ 3	Yel'sh
8664	H 864	L 34468	30 34	4 52	315±	10±	7 ...16	1820+	H	(= β 644)
8665	Ho 436	Lac. 7804	30 51	-25 31	177.1	4.15	8 ...11	1889.72	Ho 1	
8666	H 1330	....	31 6	30 30	262.1	5±	11-12...11-12	1828+	H	
8667	A 249	A. G. Berlin 6561	31 8	24 46	274.9	0.87	9.3... 9.5	1901.52	A 2	
8668	Hu 70	SD (11°) 4692	31 9	-11 27	216.4	0.87	8.6... 9.1	1899.63	Hu 3	(A. J. 480)
8669	Σ 2348	Draconis 190	31 12	52 15	272.7	25.69	5.9... 8.1	1832.02	Z 8	Very yel.: very blue
8670	β 135	L 34476	31 16	-14 6	184.0	2.45	6.7...11.5	1875.08	A 4	
8671	Hu 247	DM (10°) 3588	31 20	10 10	45.8	0.46	9.0... 9.3	1900.42	Hu 3	(A. J. 494)
8672	β 1327	DM (2°) 3628	31 24	2 32	178.9	13.20	8.2...16	1903.44	β 2	β ^d
8673	Σ 2346	W ¹ XVIII ^h . 727	31 27	7 26	282.9	15.41	7.5... 9.0	1829.64	Z 4	7.5 wh.
8674	H 2834	W ¹ XVIII ^h . 902	31 33	22 0	248.4	12±	9 ...14-15	1830+	H	
8675	Σ 2353 rej.	DM (58°) 1823	18 31 36	58 41	258.7	13.2	8.5...12	1832.8	Z	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
8676	Hu 323	DM (21°) 3495	18 ^h 31 ^m 44 ^s	21° 14'	152° 8'	0.22	8.9...10.2	1901.75	Hu 3	(Bul. L. O. No. 12)
8677	Σ 2347	Serpentis 196	31 47	— 0 29	259.3	3.17	7.5... 9.4	1829.83	Σ 5	7.5 yel'sh
8678	Σ 2357	DM (63°) 1434	32 6	63 37	270.9	4.51	8.3... 9.0	1832.28	Σ 3	White
8679	A 88	L 34524	32 6	— 3 18	353.2	0.14	6.9... 7.1	1900.46	A 3	
8680	H 5499	SD (4°) 4525	32 10	— 4 25	155±	15±	9 ...12.5	1827.6	H	
8681	Σ 2349	Lyræ 38	32 13	33 22	205.5	7.33	5.5...10.7	1830.16	Σ 3	5.5 bluish wh.
8682	A 356	A. G. Lelp. 8694	32 13	7 54	223.7	0.78	8.8...10.8	1902.76	A 3	(Bul. L. O. No. 29)
8683	H 2833	SD (21°) 5088	32 14	—21 7	321.9	18±	9-10...10	1830+	H	
8684	Σ 2351	DM (41°) 3100	32 22	41 11	339.8	5.23	7.4... 7.4	1830.98	Σ 4	White
8685	Arg. 32	O. Arg. S. 18506	32 28	—25 37	212.8	7.47	6 ... 8.2	1862.8	....	A and B
					285.2	68.66	... 7.8	1862.8	....	A and C
					218.5	79.02	...(14)	1862.8	....	A and D
8686	H 5500	Schj. 6861	32 35	2 30	45±	30?	8 ...12	1823.6	H	
8687	Hu 198	DM (8°) 3780	32 37	8 44	195.2	0.22	8.5... 8.6	1900.47	Hu 3	(A. J. 485)
8688	H IV. 59	DM (38°) 3235	32 38	38 35	303.9	22.33	....	1783.81	H 1	
8689	Σ 2352	DM (34°) 3257	32 39	34 46	283.6	15.22	7.3...10.3	1830.78	Σ 3	7.3 yel.
8690	OΣ 360	L 34556	32 44	4 45	292.6	1.11	6.5...10.0	1849.67	OΣ 3	6.5 golden
8691	Hu 675	DM (14°) 3601	32 47	14 21	71.1	0.20	9.5... 9.5	1902.58	Hu 3	
8692	Σ 9 App. II	α Lyræ	32 52	38 40	137.8	42.96	1.0...10.5	1836.14	Σ 5	A and B } 1.0 bluish wh.
					298.8	46.87	...12	1864.84	Wn 1	A and C }
8693	A 250	DM (31°) 3309	32 55	31 6	122.4	1.98	9.0...11.7	1901.74	A 3	
8694	Lewis 25 a	....	33 :	28 41:	253.9	1.18	9.0...10.0	1899.63	Bow 2	
8695	Lewis 25	....	33 :	28 37:	30.1	6.27	9.0... 9.0	1900.70	L 1	(M. N. LXI, 486)
8696	H 1331	W ⁺ XVIII ^b . 787	33 7	14 59	210±	30±	6-7...11	1828+	H	"Two more stars n?"
8697	Hu 248	DM (9°) 3800	33 9	9 2	113.5	2.03	9.5... 9.6	1900.49	Hu 3	(A. J. 494)
8698	Ho 87	W ⁺ XVIII ^b . 960	33 15	16 26	258.7	0.28	8.0... 8.0	1883.69	Ho 2	A and B }
					130.6	45.56	...12.7	1893.18	Ho 2	AB and C }
8699	Σ 2350 rej.	Scutum Sob. 46	33 30	— 7 54	194.8	24.54	....	1848.64	Mh 1	
8700	Σ 2366 rej.	DM (69°) 988	33 33	69 51	333.6	29.33	8.2...10.0	1897.62	Gla 2	From Glasenapp (V)
8701	Σ 2356	DM (28°) 3040	33 40	28 36	47.1	1.03	8.0... 9.0	1831.42	Σ 3	Yel.: yel'sh
8702	H 1332	DM (24°) 3480	33 47	24 33	224.0	18±	8 ...11	1828+	H	
8703	H 1333	DM (26°) 3316	33 49	26 59	229.0	2±	10 ...11	1828+	H	
8704	Σ 2359 rej.	DM (30°) 3253	33 54	30 39	....	Cl. IV	8 ...10	....	Σ	
8705	Σ 2358	DM (30°) 3254	34 0	30 37	216.5	2.58	8.8... 9.0	1831.40	Σ 3	
8706	Miller	DM (15°) 3530	34 1	15 33	62.3	3.50	9.0... 9.8	1902.37	Hu 2	
8707	Σ 2355 rej.	DM (7°) 3798	34 3	7 15	....	Cl. IV	6 ... 9-10	....	Σ	
8708	A. G. 224	A. G. Alb. 6321	34 5	3 15	348.6	21.88	8.2... 9.2	1902.93	Cg 2	
8709	β 967	SD (14°) 5152	34 5	—14 36	195.8	2.44	8.0...11.1	1880.54	β 4	
8710	β 50	DM (39°) 3475	34 9	39 29	6.9	21.96	8.5...13.0	1892.38	β 1	A and B }
					167.2	5.85	9.5...11.0	1892.38	β 1	C and D }
					330.0	73.06	....	1892.38	β 1	A and C }
8711	Σ 2360	DM (20°) 3880	34 11	20 50	5.7	2.53	7.5... 8.7	1831.07	Σ 3	Wh.: ash
8712	Σ 2362	P XVIII ^b . 151	34 12	35 57	180.2	3.96	7.1... 8.4	1830.95	Σ 4	Yel'sh wh.: bluish
8713	Σ 2365 rej.	Groom. 2630	34 21	63 36	25.3	19.70	8.3...10.0	1901.43	β 2	
8714	Σ 2361	W ⁺ XVIII ^b . 818	34 34	3 1	211.5	25.09	8.3... 8.8	1829.99	Σ 3	White
8715	S 704	L 34633	34 39	9 35	268.9	57.66	9 ...10	1825.04	S 2	
8716	Σ 2370	DM (69°) 993	34 53	69 57	136.4	10.58	9.0... 9.2	1832.28	Σ 3	
8717	β 1328	DM (2°) 3652	34 57	2 55	285.2	1.88	8.6... 9.4	1903.44	β 5	
8718	H 1335	....	35 1	35 12	5.3	10±	10-11...12	1828+	H	
8719	See 356	O. Arg. S. 18552	35 2	—29 35	134.0	3.96	7.8... 8	1897.70	See 1	
8720	A 586	A. G. Bonn 12175	35 3	40 36	203.9	2.06	8.4...10.3	1903.77	A 3	(Bul. L. O. No. 50)
8721	Σ 2364	DM (24°) 3491	35 9	24 36	182.2	6.51	8.0...10.2	1831.45	Σ 3	8.0 yel.
8722	H 1334	....	35 14	12 7	85.5	10±	10 ...14	1828+	H	
8723	Hu 249	SD (14°) 5157	35 33	—14 44	224.2	3.38	8.8...13.8	1900.68	Hu 3	(A. J. 494)
8724	H 865	....	35 40	0 45	125±	12±	11 ...12-13	1820+	H	"Double" in Hd Zones
8725	H V. 36	2 Aquilæ	18 35 42	— 9 10	....	42.73	....	1781.57	H 1	

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
8726	Hu 324	DM (21°) 3518	18 ^h 35 ^m 45 ^s	21° 35'	113° 2	0.63	9.1...11.0	1901.75	Hu 3	(<i>Bul. L. O. No. 12</i>)
8727	Hu 250	SD (15°) 5068	35 50	-15 54	296.1	2.13	9.0...14.8	1900.68	Hu 3	(<i>A. J. 494</i>)
8728	H 1336	W ² XVIII ^b . 1046	35 52	30 11	89.0	8±	10 ...12	1828+	H	A and B }
					300±	15±	....	1828+	H	A and C }
8729	A. G. 225	DM (40°) 3447	35 52	40 28	353.2	6.52	9.2... 9.4	1900.61	Es 2	
8730	Hn 145	O. Arg. S. 18579	35 53	-15 30	58.9	1.07	10.0...10.3	1888.77	Com 3	
8731	Ho 437	W ² XVIII ^b . 1051	35 58	31 32	115.7	0.35	8.3... 8.5	1892.28	Ho 3	A and B }
					273.0	40.37	...11.2	1893.13	Ho 2	AB and C }
					337.3	2.34	...11.7	1893.13	Ho 2	C and D }
8732	Σ 2368	DM (52°) 2258	36 7	52 14	331.3	1.96	7.2... 7.4	1831.10	Σ 4	Yel'sh
8733	Hd Zones	DM (0°) 3996	36 18	0 33	113.2	10.63	9.0...12.0	1879.31	Cin 1	
8734	H 1337	W ² XVIII ^b . 1064	36 22	31 28	174.9	6±	9 ...12	1828+	H	
8735	H 866	....	36 37	4 32	87±	4±	13 ...14	1820+	H	A and B }
					305±	5±	...17	1820+	H	A and C }
8736	Σ 2367	W ² XVIII ^b . 1074	36 39	30 11	68.3	0.4±	7.0... 7.5	1833.88	Σ 3	A and B }
					193.9	14.13	... 8.4	1832.53	Σ 5	AB and C }
8737	A 89	SD (6°) 4852	36 42	- 6 57	140.3	4.96	8.7...13.0	1900.49	A 3	(<i>A. N. 3668</i>)
8738	See 357	O. Arg. S. 18594	36 44	-29 33	174.2	2.30	8 ...12.5	1896.77	See 1	A and B }
					290.9	13.20	...12.3	1896.77	See 2	A and C }
8739	H 2836	Rad ¹ . 4025	36 57	60 36	328.0	35±	7 ...14	1830+	H	"A third more distant"
8740	β 136	W ² XVIII ^b . 893	37 0	5 37	8.0	4.39	9.2... 9.7	1874.84	Δ 3	
8741	H 1339	O. Arg. N. 18514	37 1	45 59	333.5	20±	8-9...10	1828+	H	Orange: yellow
8742	See 358	O. Arg. S. 18606	37 19	-25 55	29.6	1.88	7.3... 8.2	1897.63	See 1	
8743	Σ 2371	DM (27°) 3084	37 26	27 32	55.5	9.55	8.5... 8.5	1829.74	Σ 2	White
8744	Hn 146	....	37 27	-17 39	193.8	2.48	10.5...10.8	1888.75	Com 3	
8745	H 2835	SD (16°) 5003	37 28	-16 30	309.0	12±	10 ...11	1830+	H	
8746	Σ 2377 rej.	<i>Draconis</i> 197	37 33	63 25	....	Cl. IV	7 ...10	....	Σ	
8747	A 357	A. G. Albany 6343	37 39	4 37	74.7	0.56	9.0... 9.1	1902.76	A 3	(<i>Bul. L. O. No. 29</i>)
8748	Σ 2372	W ² XVIII ^b . 1117	37 48	34 38	84.2	25.15	6.7... 8.2	1829.08	Σ 3	Wh.: bluish
8749	OΣ 361	L 34741	37 49	5 32	172.5	22.67	7.5... 8.2	1848.34	OΣ 3	
8750	O. Stone 44	SD (20°) 5244	37 50	-20 0	105.2	1.82	8.5... 9.0	1877.66	Cin 1	
8751	Σ 2369	DM (2°) 3668	37 54	2 30	98.2	1.54	7.5... 8.0	1830.62	Σ 3	White
8752	H 1338	....	37 56	12 2	190.0	5±	10-11...11	1828+	H	"A star 8-9 m. follows"
8753	A 251	A. G. Hels. 9917	38 0	58 8	56.1	3.78	8.0...13.7	1901.81	A 2	A and B }
					63.4	14.70	...14.5	1901.81	A 2	A and C }
8754	H 1340	DM (32°) 3187	38 0	32 24	90.0	7±	10-11...13	1828+	H	
8755	β 645	<i>Herculis</i> 475	38 1	19 21	307.3	9.03	7.0...12.0	1877.74	Δ 1	
8756	A 252	DM (24°) 3505	38 19	24 26	288.3	1.27	9.2...12.6	1901.50	A 3	
8757	H 5501	....	38 25	- 1 8	15±	25±	10 ...11	1827.5	H	
8758	Espin 126	DM (63°) 1446	38 30	63 41	21.9	4.9	11 ...12	1902	Es 3	B and C } (<i>M. N. LXIII, 172</i>)
					53.5	73.1	... 8	1902	Es 3	A and B }
8759	Σ 2384	L 34968	38 33	67 0	307.2	0.82	8.0... 8.5	1832.34	Σ 3	Yel.
8760	H 1341	....	38 38	39 31	105±	10±	....	1828+	H	
8761	Σ 2374	DM (27°) 3089	38 41	27 36	36.1	15.47	8.8... 9.2	1830.39	Σ 3	White
8762	β 1254	W ² XVIII ^b . 935	38 52	-13 48	78.2	2.67	8.2...11.0	1891.50	β 6	
8763	Hu 754	DM (50°) 2651	38 52	51 1	91.7	1.37	7.5...15.0	1904.40	Hu 1	
8764	Ho 88	....	39 :	- 9 36	208.1	2.03	9 ... 9	1885.57	Ho 1	
8765	Σ 2378	DM (35°) 3342	39 5	35 26	192.5	11.17	8.2... 9.5	1829.27	Σ 2	White
8766	See 360	28 <i>Sagittarii</i>	39 6	-22 31	209.1	12.52	5.6...14.7	1897.69	See 3	
8767	Σ 2376	DM (30°) 3281	39 6	30 17	63.8	22.30	7.7... 8.4	1830.47	Σ 4	White
8768	A 90	SD (3°) 4373	39 9	- 3 21	2.3	2.80	8.0...13.6	1900.50	A 3	(<i>A. N. 3668</i>)
8769	Hu 325	DM (20°) 3919	39 10	20 45	12.6	0.32	9.3...10.0	1901.77	Hu 3	(<i>Bul. L. O. No. 19</i>)
8770	A 253	DM (31°) 3347	39 12	31 34	129.0	0.78	9.1... 9.6	1901.75	A 3	
8771	Σ 2373	L 34784	39 13	-10 37	339.1	4.19	7.1... 8.1	1832.43	Σ 4	Wh.: ash
8772	Hu 251	SD (15°) 5086	39 13	-15 36	309.5	2.38	8.0...12.8	1900.68	Hu 3	(<i>A. J. 494</i>)
8773	Hu —	DM (22°) 3470	18 39 15	22 17	243.6	0.30	9.0...10.5	1902.54	Hu 1	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
8774	Ho 568	Schj. 6935	18 ^h 39 ^m 18 ^s	-10° 7'	173° 1	4'.33	8 ... 12	1894.71	Ho 2	(A. N. 3557)
8775	Σ 2380	Lyrae 56	39 24	44 48	10.2	25.83	6.7... 8.2	1831.15	Σ 3	Yel.: bluish wh.
8776	Σ 2375	L 34820	39 34	5 22	108.1	2.23	6.2... 6.6	1829.10	Σ 5	White
8777	H 2837	SD (19°) 5161	39 54	-19 19	92.0	5 ±	10 ... 10	1830+	H	
8778	OΣ (App) 172	W ² XVIII ^b . 1185	40 8	33 52	6.1	65.46	7.4... 7.9	1875.96	Δ 4	
8779	Σ 2379	5 Aquilae	40 17	-1 5	121.5	13.22	5.6... 7.4	1832.45	Σ 4	A and B } Wh.: bluish
					145.5	27.53	... 11.2	1880.02	β 2	A and C }
8780	H 1342	....	40 18	43 22	182.8	10 ±	9 ... 14	1828+	H	
8781	H VI. 37	46 Draconis	40 18	55 25	....	210 ±	....	1780.75	H	
8782	Σ 37, App. I	e ¹ and e ² Lyrae	40 22	39 33	172.9	207.08	4.6... 4.9	1835.23	Σ 5	
8783	Σ 2382	e ¹ (4) Lyrae	40 22	39 33	26.0	3.03	4.6... 6.3	1831.44	Σ 7	Greenish wh.: bluish wh.
8784	Sh 277	....	40 23	39 31	38.4	46.71	10.1...	1878.36	β 2	A and B }
					356.0	25.01	....	1878.36	β 2	C and D }
					247.3	42.57	....	1878.34	β 1	A and C }
8785	Σ 2383	e ² (5) Lyrae	40 24	39 29	155.2	2.57	4.9... 5.2	1831.44	Σ 7	Very wh.
8786	H 2839	110 Herculis	40 30	20 26	95.5	44.70	6 ... 13	1879.30	β 1	A and B }
					92.0	61.16	... 11	1879.43	β 2	A and C }
8787	H 5502	SD (2°) 4738	40 34	-2 31	10 ±	18 ±	10 ... 14	1827.5	H	
8788	β 968	ζ Lyrae	40 38	37 29	48.7	26.93	... 15.7	1889.43	β 2	A and B }
					275.4	43.37	... 13.2	1880.50	β 2	A and C }
					149.7	43.71	4.2... 5.5	1835.23	Σ 5	A and D }
					304.1	61.66	... 11.4	1880.49	β 1	A and E }
8789	Σ 2381	L 34908	40 46	28 8	123.1	8.50	8.0... 10.0	1830.39	Σ 3	8.0 yel.
8790	Σ 2386 rej.	DM (35°) 3349, 3350	40 58	35 25	....	Cl. IV	8-9... 9-10	....	Σ	
8791	H 2838	O. Arg. S. 18676	41 2	-16 54	334.6	20 ±	7 ... 11	1830+	H	
8792	Σ 2393	DM (38°) 3280	41 6	38 11	22.5	10.42	7.3... 10.0	1829.68	Σ 3	7.3 red
8793	H 1343	....	41 7	27 12	121.5	3 ±	11 ... 12	1828+	H	
8794	Σ 2392	DM (39°) 3517	41 10	39 6	317.2	2.70	8.2... 10.2	1831.55	Σ 4	A and B }
					178.4	23.32	... 9.3	1831.19	Σ 5	A and C }
8795	Σ 2385	DM (16°) 3609	41 12	16 51	36.8	4.28	8.3... 10.7	1829.29	Σ 3	8.3 yel'sh
8796	Espin 22	DM (45°) 2667	41 12	45 43	135.9	2.73	9.3... 12	1900.62	Es 2	A and B }
					215.8	12 ±	9 ... 10	1828+	H	A and C }
8797	Σ 2390	DM (34°) 3310	41 29	34 23	157.9	4.23	7.3... 8.7	1830.09	Σ 3	7.3 wh.
8798	Σ 2398	O. Arg. N. 18609	41 34	59 25	134.4	12.42	8.2... 8.7	1832.17	Σ 3	Yel'sh: bluish
8799	Σ 2395	DM (45°) 2769	41 38	46 1	309.9	8.25	7.7... 10.1	1831.69	Σ 4	7.7 wh.
8800	β 465	DM (56°) 2130	41 39	56 45	292.8	3.15	9.0... 11.0	1877.29	Δ 2	
8801	Σ 2394	DM (41°) 4134	41 41	41 55	201.5	6.64	8.7... 9.2	1829.94	Σ 3	8.7 yel'sh
8802	H 1344	DM (15°) 3559	41 41	15 7	203.8	10 ±	9-10... 10	1828+	H	
8803	H 1345	....	41 41	31 9	171.1	8 ±	13 = 13	1828+	H	
8804	β 51	DM (39°) 3523	41 42	39 34	297.5	6.13	10.2... 11.2	1898.56	Doo 3	B and C }
					185.2	74.95	9.0...	1898.56	Doo 3	A and B }
8805	A 254	DM (30°) 3293	41 54	30 46	45.8	2.16	9.0... 13.2	1901.77	A 2	
8806	Hu 755	DM (51°) 2419	41 58	51 53	117.7	0.68	8.7... 9.0	1904.40	Hu 1	
8807	Hu 252	SD (9°) 3873	42 2	9 8	191.8	0.20	9.0... 9.5	1900.61	Hu 2	(A. J. 494)
8808	Hu 584	DM (15°) 3566	42 4	15 29	31.2	0.39	9.4... 9.4	1902.66	Hu 3	(Bul. L. O. No. 27)
8809	Σ 2389 rej.	DM (7°) 3841	42 9	7 35	....	Cl. IV	8 ... 10	....	Σ	
8810	Σ 2391	L 34929	42 14	-6 8	332.6	37.92	6.2... 9.0	1829.69	Σ 3	6.2 yel'sh wh.
8811	Hu 253	DM (8°) 3853	42 17	8 33	322.8	0.66	8.9... 12.5	1900.61	Hu 2	(A. J. 494)
8812	OΣ (App) 174	L 34965	42 17	11 0	159.8	106.09	7.0... 7.7	1874.98	Δ 3	
8813	A 91	SD (6°) 4915	42 22	-6 35	100.6	0.66	9.5... 10.0	1900.51	A 2	(A. N. 3668)
8814	Espin —	DM (60°) 1844	42 24	60 32	103.6	4.3	9.1... 11.1	1903	Es	(M. N., LXIV, 238)
8815	Σ 2388 rej.	SD (8°) 4714	42 26	-8 36	....	....	8... 10... 10	....	Σ	Cl. V and III
8816	H 2840	SD (17°) 5328	42 27	-17 58	342.5	9 ±	10-11... 10-11	1830+	H	
8817	H 1347	W ² XVIII ^b . 1264	42 30	28 17	276.1	15 ±	9-10... 10	1828+	H	
8818	See 362	29 Sagittarii	42 34	-20 28	0.2	17.03	5.8... 14.5	1897.75	See 1	
8819	OΣ 362	L 34978	18 42 34	10 31	338.7	7.63	7.8... 11.9	1853.18	OΣ 4	(= OΣ 546)

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
8820	Ho 439	W ¹ XVIII ^h . 1031	18 ^h 42 ^m 36 ^s	-11° 6'	152° 7	2.71	8.0...11.7	1891.73	Ho 2	
8821	H 2841	....	42 38	23 27	302.0	15±	9 ... 12	1830+	H	
8822	Σ 2397	DM (31°) 3365	42 39	31 16	267.4	3.72	7.2... 9.5	1830.45	Σ 3	Yel.: blue
8823	Howe 44	O. Arg. S. 18713	42 49	-17 2	293.8	....	8.5... 9.0	1879.46	Cin 1	A and B }
					305.0	34.13	... 11.0	1879.46	Cin 1	A and C }
8824	Σ 2396	DM (10°) 3665	42 49	10 38	232.8	11.74	7.7... 11.2	1829.60	Σ 3	7.7 yel'sh
8825	Σ 2403	Draconis 203	42 53	60 55	258.7	1.87	6.2... 9.0	1832.21	Σ 4	Yel.: blue
8826	Hall	....	43 :	10 45:	209.0	0.85	10 ... 10	1877.53	Hl 2	
8827	H VI. 50	P XVIII ^h . 197	43 15	- 6 3	356.8	22.53	6.7... 13.0	1879.37	β 1	A and B }
					170.5	113.98	... 8.0	1879.35	β 2	A and C }
8828	OΣ 363	Rad ¹ . 4091	43 15	77 34	20.0	0.55	7.5... 7.7	1852.40	OΣ 4	
8829	A 255	A. G. Camb. 9294	43 28	25 36	67.6	4.30	9.0... 12.7	1901.70	A 3	
8830	Σ 2400	DM (16°) 3622	43 32	16 7	187.2	1.87	8.2... 11.1	1892.42	β 2	A and B }
					304.2	2.85	8.1... 10.6	1831.16	Σ 4	A and C } 8.1 yel.
8831	H 867	....	43 34	6 57	325±	2-3	15 ... 16	1820+	H	
8832	Σ 2399	DM (13°) 3764	43 35	13 5	119.6	15.75	8.2... 8.8	1829.26	Σ 3	A and B }
					49.6	33.29	... 10.0	1829.26	Σ 3	A and C }
8833	β 1300	30 Sagittarii	43 38	-22 15	246.6	21.46	6 ... 13	1901.18	β 3	
8834	Hu 326	DM (23°) 3463	43 38	23 22	101.3	0.24	8.7... 9.0	1901.79	Hu 2	(Bul. L. O. No. 12)
8835	Hu 756	DM (51°) 2424	43 43	51 34	251.4	1.12	8.8... 12.5	1904.40	Hu 1	
8836	Σ 2401	DM (21°) 3560	43 49	21 2	37.6	4.06	7.0... 8.6	1828.80	Σ 4	Wh.: bluish
8837	β 969	SD (8°) 4726	43 49	- 8 3	236.6	14.33	7.0... 11.9	1880.51	β 4	
8838	H 1348	....	43 51	45 58	195.0	5±	11 ... 12	1828+	H	
8839	Hn 148	O. Arg. S. 18742	43 56	-16 54	19.1	3.40	9.0... 12.8	1889.04	Com 3	
8840	H 869	....	43 58	7 53	275±	6±	11 = 11	1820+	H	
8841	G. Anderson 6	....	44 0:	10 40:	94.0	2.28	10 ... 11	1885.56	Hl 3	
8842	H 868	....	44 0	- 8 5	....	....	....	1820+	H	
8843	H 2842	L 35001	44 3	-17 55	340.6	30±	8-9... 10	1828+	H	
8844	Σ 2402	W ¹ XVIII ^h . 1090	44 5	10 32	197.7	0.74	8.0... 8.4	1830.20	Σ 4	Very wh.
8845	H 5070	O. Arg. S. 18747	44 6	-22 9	53.1	15±	8 ... 8½	1837.5	H	
8846	β 970	SD (8°) 4729	44 15	- 8 8	107.3	1.43	8.3... 11.2	1880.58	β 4	
8847	H 1349	DM (33°) 3213	44 24	33 11	74.0	8±	9 ... 12	1828+	H	
8848	H 1351	DM (43°) 3081	44 24	43 44	357.8	16±	9-10... 10	1828+	H	A and B }
					314.5	4±	... 12	1828+	H	B and C }
8849	β 971	Draconis 205	44 24	49 18	354.7	0.54	6.5... 8.5	1879.88	β 2	
8850	Hu 254	SD (7°) 3861	44 31	7 59	157.2	1.19	8.9... 13.5	1900.61	Hu 2	(A. J. 494)
8851	Hu 327	DM (21°) 3565	44 38	21 16	97.0	0.25	9.0... 9.1	1901.79	Hu 3	(Bul. L. O. No. 12)
8852	β 265	L 35060	44 38	11 23	235.9	1.46	7.1... 9.1	1875.29	Δ 4	
8853	Hu 255	SD (17°) 5350	44 39	-17 27	169.5	1.60	8.3... 9.0	1900.68	Hu 3	(A. J. 494)
8854	Hu 328	DM (20°) 3950	44 51	20 35	189.0	4.70	9.0... 10.3	1901.79	Hu 3	(Bul. L. O. No. 12)
8855	....	....	45 :	- 6 25:	22.0	7.28	9.5... 10.1	1890.55	Gla 2	
8856	H 1350	....	45 1	12 11	176.0	3±	11 ... 11	1828+	H	"Very delicate"
8857	Hu 256	DM (8°) 3866	45 2	8 34	43.2	4.45	8.5... 12.8	1900.61	Hu 2	(A. J. 494)
8858	Σ 2406	DM (26°) 3368	45 5	26 17	4.7	4.87	7.2... 11.2	1830.46	Σ 3	7.2 yel'sh wh.
8859	Σ 2407 rej.	DM (33°) 3217	45 6	33 8	206.9	27.76	9.1... 11.5	1903.35	β 2	
8860	Σ 2404	Tauri Pon. 78	45 7	10 50	183.2	3.53	5.8... 7.0	1829.09	Σ 3	Yel.: blue
8861	Σ 2410	P XVIII ^h . 226	45 11	59 12	97.5	1.49	8.2... 8.7	1833.19	Σ 3	White
8862	H V. 40	γ ¹ Lyrae	45 18	32 40	70.5	36.24	6.0... 11.5	1879.33	β 2	A and B }
					122.2	58.58	... 10.5	1879.33	β 2	A and C }
					212.6	17.87	... 11.7	1879.33	β 2	C and D }
8863	H 1352	W ² XVIII ^h . 1350	45 24	29 40	234.6	6±	8 ... 9	1828+	H	
8864	Ho 440	γ ² Lyrae	45 24	32 25	176.9	19.00	5.5... 13	1892.71	Ho 2	
8865	A. G. 226	A. G. Lund 7931	45 30	38 10	54.4	25.94	9.0... 9.1	1903.92	β 2	
8866	A 256	DM (31°) 3375	45 31	31 41	54.3	2.52	8.7... 11.2	1901.76	A 3	
8867	Σ 2405 rej.	SD (7°) 4746	18 45 39	- 7 24	....	Cl. IV	8 ... 10	....	Σ	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
8868	E 39, App. I	<i>β Lyrae</i>	18 ^h 45 ^m 39 ^s	33° 13'	149° 8'	45.77	3.0... 6.7	1835.23	Z 5	A and B
					248.0	46.30	... 13	1878.36	β 2	A and C
					68.3	64.26	... 14.3	1898.65	A 3	A and D
					317.7	66.25	... 9.2	1879.33	β 3	A and E
					18.8	85.78	... 9.0	1879.33	β 3	A and F
8869	Hu 257	SD (17°) 5359	45 48	-17 34	341.1	2.29	9.0... 11.8	1900.68	Hu 3	A. J. 494
8870	H —	DM (10°) 3697	45 52	10 10	22.5	24.20	8 ... 8-9	1826.65	H 1	
8871	H 870	....	45 54	10 12	230±	10±	11 ... 12	1828+	H	
8872	Ho 569	L 35076	46 6	-18 47	40.0	18.31	6.8... 11.7	1895.65	Ho 2	A. N. 3557)
8873	Tarrant	DM (33°) 3228	46 8	33 4	290.1	13.46	10 ...	1886.99	T 3	A and B
					236.7	4.26	10.5... 11.5	1886.99	T 3	B and C
8874	E 2409	DM (13°) 3783	46 12	13 23	33.4	0.97	8.0... 9.3	1829.35	Z 3	to <i>yel'sh</i>
8875	Espin 127	DM (62°) 1649	46 12	62 46	135.7	4.7	9.5... 9.5	1902	Es 1	M. N. LXIII, 17a)
8876	E 2408	DM (10°) 3703	46 19	10 38	96.5	2.30	7.5... 8.7	1830.70	Z 3	Wh.: <i>ash</i>
8877	Hu 199	DM (11°) 3642	46 31	11 39	3.5	0.23	8.7... 9.1	1900.60	Hu 3	
8878	E 2411	<i>Aquilae</i> 11	46 50	14 24	95.7	13.54	7.0... 9.8	1829.00	Z 3	to <i>yel'sh</i>
8879	β 1033	<i>β Sagittarii</i>	46 56	-22 53	104.0	1.86	5.5... 11.0	1888.68	β 1	A and B
					60.3	....	6 ... 10	1837.5	II	A and C
8880	A 92	SD (2°) 4773	46 58	- 2 35	33.4	5.10	8.6... 13.8	1900.51	A 2	A. N. 3668)
8881	E 2412	DM (13°) 3795	47 5	13 52	53.3	1.27	8.4... 8.5	1830.93	Z 4	<i>Yel'sh</i>
8882	A 358	A. G. Albany 6407	47 16	4 5	113.6	1.34	9.0... 14.8	1902.77	A 2	Bul. L. O. No. 29)
8883	A 93	SD (5°) 4798	47 18	- 5 41	325.0	0.28	8.9... 9.3	1900.54	A 3	
8884	E 2413	DM (3°) 3825	47 24	3 14	199.0	9.55	8.2... 8.7	1830.04	Z 3	White
8885	Hu 258	DM (11°) 3651	47 24	11 28	216.1	2.53	8.9... 9.4	1900.60	Hu 3	A. J. 494)
8886	H 2843	SD (17°) 5372	47 54	-17 42	350±	12±	10 ... 13	1830+	H	
8887	β 421	W ^o XVIII ^b . 1452	48 3	43 15	289.9	1.00	9.1... 9.3	1877.16	A 4	A and B
					230.8	39.05	... 9.2	1893.43	W 2	AB and C
8888	H 2846	....	48 11	62 25	254.0	12±	10 ... 11	1830+	H	
8889	Weisse 33	W ^o XVIII ^b . 1454	48 14	39 17	....	....	8-9...	....	....
8890	A 257	DM (31°) 3384	48 16	31 16	111.2	0.92	8.5... 13.5	1901.83	A 2	
8891	H 2844	O. Arg. 8. 18833	48 21	-17 47	106.3	23.23	8.0... 9.7	1890.57	Gla 2	
8892	OE 364	L 35242	48 25	25 14	162.8	0.74	7.5... 10.5?	1842.67	OZ 1	
8893	See 364	Ord. 18 ^b . 2643	48 26	-28 17	96.4	0.41	8.1... 9	1897.63	See 1	
8894	OE (App) 176	L 35215	48 27	1 45	116.2	97.44	7.0... 7.1	1874.62	A 3	
8895	H 1353	DM (11°) 3654	48 42	11 9	212.2	5±	9 ... 10	1828+	H	
8896	H 1354	DM (36°) 3303	48 45	36 13	187.0	8±	10 ... 10	1828+	H	
8897	H 2845	L 35207	48 55	-17 44	4.0	4±	8-9... 9-10	1828+	H	
8898	Lewis 26	....	49 :	34 27:	84.6	5.13	8.0... 10.0	1899.44	L 1	
8899	Dunér 2	....	49 :	13 22:	139.5	19.07	9.2... 9.5	1869.84	Du 2	
8900	Hu 259	DM (8°) 3896	49 10	8 21	5.2	0.21	9.3... 9.5	1900.61	Hu 2	A. J. 494)
8901	Ho 89	W ^o XVIII ^b . 1481	49 13	37 19	166.6	6.01	8.0... 12.0	1886.23	Ho 2	
8902	E 2416	DM (51°) 2444	49 15	51 11	156.9	15.61	8.0... 10.2	1830.78	Z 2	to <i>wh.</i>
8903	H 871	....	49 15	- 0 17	50±	5±	....	1820+	H	
8904	H 1355	....	49 17	27 9	14.8	9±	10 ... 11	1828+	H	
8905	E 2415	<i>Herculis</i> 490	49 23	20 28	298.7	2.01	6.6... 8.5	1831.55	Z 5	<i>Yel'sh: bluish</i>
8906	E 2420	<i>β Draconis</i>	49 25	59 14	346.2	30.33	4.6... 7.6	1833.81	Z 5	<i>Very wh.: ash</i>
8907	H VI. 3	<i>β Lyrae</i>	49 32	36 49	....	240±	....	1781.89	H	
8908	β 646	113 <i>Herculis</i>	49 41	22 30	159.2	7.0	12.5... 12.5	1877.53	β 1	B and C
					34.2	35.48	6.0...	1878.68	β 1	A and B
					24.9	40.68	....	1878.68	β 1	A and C
8909	β 137	W ^o XVIII ^b . 1503	49 48	37 14	123.8	1.15	8.2... 8.7	1875.33	A 4	A and B
					142.0	17.92	... 11.5	1880.47	β 1	A and C
8910	H 5503	O. Arg. 8. 18871	49 55	-15 1	85±	....	8 ... 11	1823.6	H	
8911	β 972	<i>Schi.</i> 7042	48 49 59	- 0 43	4.7	1.09	8.9... 9.6	1880.42	β 5	A and B
					14.4	73.58	... 9.1	1880.42	β 4	A and C

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
8912	β 647	DM (13°) 3814	18 ^h 50 ^m 0 ^s	13° 41'	11° 5'	1' 01"	9.0... 9.2	1877.72	A 2	A and B }
					215.8	19.56	... 9.2	1877.72	A 2	AB and C }
8913	Σ 2414	L 35280	50 6	— 0 58	277.7	17.19	8.0... 11.0	1831.57	Z 3	8.0 very wh.
8914	Σ 2417	θ <i>Serpentis</i>	50 15	4 3	103.8	21.65	4.0... 4.2	1830.05	Z 8	Yel'ish wh.
8915	H ₀ 90	W ^a XVIII ^b . 1527	50 18	37 10	225.4	3.76	8 ... 12	1885.19	Ho 2	
8916	O Σ 525	<i>Lyrae</i> 91	50 28	33 49	128.0	1.55	5.1... 10.3	1849.70	OZ 7	A and B }
					350.5	45.50	... 7.1	1846.98	OZ 10	A and C } 5.1 yel.: 7.1 blue
8917	Σ 2418 <i>rej.</i>	DM (26°) 3394	50 31	26 52	....	Cl. IV	8 ... 10	....	Z	Est. 20": 12" (1896)
8918	A 258	DM (30°) 3345	50 34	30 44	268.4	0.25	8.6... 9.0	1901.76	A 3	
8919	H 872	SD (3°) 4421	50 38	— 3 43	55±	8±	10 ... 12	1820+	H	
8920	Σ 2419	W ^a XVIII ^b . 1538	50 47	29 4	179.5	3.24	8.7... 8.8	1831.13	Z 3	Very wh.
8921	Σ 2423	DM (65°) 1301	50 52	65 5	203.0	2.24	8.5... 9.8	1832.66	Z 3	8.5 wh.
8922	H 5504	L 35322	50 56	2 18	....	....	8 ...	1823+	H	
8923	H ₀ 270	W ^a XVIII ^b . 1551	51 1	41 27	307.3	8.23	6.0... 13	1887.54	Ho 1	A and B }
					38.7	23.23	... 12	1887.54	Ho 1	A and C }
8924	H ₀ 271	SD (20°) 5344	51 4	— 20 35	333.9	16.41	7.0... 12.8	1889.04	Ho 3	
8925	Σ 2421	DM (33°) 3262	51 37	33 38	68.8	21.15	8.0... 8.7	1829.25	Z 2	White
8926	β 1255	B. A. G. 6476	51 37	48 43	88.0	1.56	5.8... 12.5	1891.58	β 3	
8927	Hu 676	DM (14°) 3719	51 44	14 41	79.7	1.41	7.2... 10.0	1902.70	Hu 2	
8928	H 873	....	51 51	3 58	75±	15±	9 ... 10	1828+	H	
8929	H 5505	DM (9°) 3941, 3942	51 56	9 33	155±	25±	10.5... 10.5	1827.6	H	
8930	Σ 2422	DM (25°) 3672	52 15	25 56	105.7	0.85	7.6... 7.7	1832.10	Z 6	White
8931	Hu 329	DM (21°) 3619	52 18	21 19	62.0	0.16	9.1... 9.6	1901.79	Hu 2	(Bul. L. O. No. 12)
8932	O Σ 365	L 35438	52 20	44 4	168.1	0.50	7.4... 8.5	1841.65	OZ 1	A and B }
					262.9	2.69	... 11.1	1833.37	Z 6	AB and C } AC=
8933	β 648	B. A. G. 6480	52 30	32 45	312.5	0.60	6.0... 9.5	1878.47	β 2	2 3130
8934	A 259	A. G. Camb. 9408	52 44	27 31	73.6	2.11	9.0... 12.5	1901.50	A 3	
8935	H 1356	DM (45°) 2797, 2796	52 52	45 21	345.4	30±	9 ... 9-10	1828+	H	
8936	H ₀ 91	L 35421	52 54	17 12	132.5	6.27	6.0... 11.7	1886.72	Ho 2	
8937	A 260	DM (31°) 3415	53 3	32 0	243.0	0.77	8.9... 9.1	1901.74	A 3	
8938	H 2848	....	53 6	57 40	295.9	3±	11 ... 12	1830+	H	
8939	Hu 330	DM (19°) 3856	53 26	19 26	31.1	0.75	9.0... 9.3	1901.60	Hu 3	(Bul. L. O. No. 12)
8940	Σ 2424	II <i>Aquilae</i>	53 34	13 28	241.6	18.66	5.7... 9.2	1831.31	Z 3	Greenish wh.: ash
8941	H 1357	DM (45°) 2799	53 34	45 42	210.8	16±	8 ... 12	1828+	H	
8942	Hu 331	DM (17°) 3805	53 48	18 0	193.4	0.82	8.4... 12.4	1901.60	Hu 3	(Bul. L. O. No. 12)
8943	Σ 2427	DM (38°) 3375	53 57	38 4	63.6	44.24	8.5... 9.0	1828.74	Z 2	A and B }
					80.1	6.89	... 9.2	1829.08	Z 3	B and C }
8944	H 1358	W ^a XVIII ^b . 1650	53 57	43 16	266.0	12±	9-10... 10	1828+	H	
8945	Hu 332	DM (22°) 3545	53 59	22 20	197.7	0.38	8.8... 9.0	1901.79	Hu 3	(Bul. L. O. No. 12)
8946	Ward	....	54 :	14 54	252.4	9.33	10.2... 10.6	1902.26	β 2	A and B }
					100.1	22.08	... 10.5	1902.26	β 2	A and C }
8947	Σ 2425	SD (8°) 4809	54 3	— 8 17	183.2	32.07	6.9... 7.7	1828.60	Z 4	Yel'ish: ash
8948	Hu 260	SD (16°) 5113	54 4	— 16 23	307.4	3.38	8.7... 14.0	1900.74	Hu 2	(A. J. 494)
8949	H 5506	....	54 5	9 52	70±	7±	11 ... 12	1827.6	H	
8950	Σ 2429	DM (36°) 3348	54 12	36 16	289.5	5.32	8.3... 9.8	1829.80	Z 3	8.3 wh.
8951	A 261	A. G. Camb. 9442	54 18	27 20	193.0	3.34	9.0... 12.5	1901.49	A 3	
8952	A 587	A. G. Bonn 12474	54 21	43 57	187.4	1.78	10.0... 11.0	1903.79	A 2	B and C } (Bul. L. O. No. 90)
					306.9	41.08	9.0...	1903.79	A 2	A and B }
8953	β 649	DM (32°) 3285	54 24	32 18	12.8	1.57	8.5... 11.7	1878.46	β 2	
8954	Σ 2426	DM (12°) 3750	54 25	12 43	79.8	16.89	6.8... 8.2	1829.40	Z 3	
8955	A. G. Clark 9	γ <i>Lyrae</i>	54 27	32 31	296.9	13.79	3.2... 12.0	1868.63	OZ 3	(= OZ 544)
8956	Σ 2428	P XVIII ^b . 263	54 29	14 45	288.6	6.45	8.0... 9.8	1830.96	Z 3	8.0 wh.
8957	H 874	W ^a XVIII ^b . 1351	54 35	— 0 37	305±	15±	7-8... 14	1820+	H	
8958	Hu 71	SD (10°) 4914	54 37	— 10 19	353.5	0.63	9.2... 9.5	1899.71	Hu 3	(A. J. 480)
8959	A 39	SD (6°) 5004	54 38	— 6 46	283.0	5.01	8.5... 12.0	1899.71	A 3	(A. N. 3635)
8960	Hu 677	DM (12°) 3751	18 54 40	12 53	43.0	1.82	8.8... 9.5	1902.70	Hu 2	

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8960 $\frac{1}{2}$	Hn 33	Cord. G. C. 26032	18 ^h 54 ^m 40 ^s	-28° 49'	59° 1	2.42	8.3... 8.4	1881.53	β 3	
8961	Σ 2430	DM (29°) 3429	54 41	29 26	359.3	1.93	8.5... 8.5	1830.45	Σ 3	Very wh.
8962	Σ 2433	DM (56°) 2167	54 43	56 35	127.7	7.39	7.1... 10.2	1834.14	Σ 4	Wh.: blue
8963	Σ 2431	Lyræ 105	54 51	40 31	236.4	18.75	6.9... 9.2	1829.92	Σ 4	6.9 very wh.
8964	Hu 678	DM (12°) 3754	54 59	12 4	359.5	2.98	8.0... 10.5	1902.70	Hu 2	
8965	Hd 150	ζ Sagittarii	55 0	-30 3	267.8	0.62	4.0... 5.0	1867.60	Hd 2	A and B
					298.0	Cl. V	....	1783.61	Hd 2	AB and C
8966	Σ 2438	P XVIII ^b . 287	55 29	58 4	340.6	0.72	7.0... 7.6	1832.53	Σ 4	Wh.
8967	A 40	SD (8°) 4821	55 39	- 8 26	250.6	2.83	8.8... 12.3	1899.71	A 3	(A. N. 3635)
8969	H 2850	W ^a XVIII ^b . 1695	55 44	23 8	272.0	1 $\frac{1}{2}$	10-11... 11	1830+	H	
8970	A 41	SD (6°) 5012	55 45	- 6 53	202.4	0.51	9.1... 9.2	1899.71	A 3	(A. N. 3635)
8971	H 1359	DM (11°) 3697	55 46	11 26	180 \pm	8 \pm	9-10... 16	1828+	H	
8972	A 588	A. G. Bonn 12496	55 48	43 34	161.0	5.02	8.1... 14.5	1903.80	A 2	
8973	β 973	DM (8°) 3945	55 58	8 35	350.7	1.43	9.1... 12.0	1880.13	β 5	A and B
					262.7	2.90	11.4... 12.0	1880.13	β 5	C and D
					20.7	10.73	....	1880.58	β 3	A and C
					12.3	10.25	8.5... 11.5	1827.67	Σ 2	A and D
8974	Egbert 7	....	56 :	-19 25:	262.4	14.34	11.0... 11.5	1879.48	Cin 1	
8975	H 5082	L 35497	56 1	-19 25	91.0	6 \pm	6 ... 11 $\frac{1}{2}$	1836.5	H	A and B
					107.4	18 \pm	... 12	1836.5	H	A and C
8976	H 2849	SD (15°) 5197	56 3	-15 56	145.1	15 \pm	9-10... 10	1830+	H	
8977	Σ 2440	Draconis 223	56 5	62 14	123.4	16.63	6.5... 9.0	1832.27	Σ 2	6.5 yel.
8978	A 42	SD (6°) 5016	56 8	- 6 30	67.3	0.65	9.0... 9.1	1899.73	A 3	A and B
					311.7	4.60	11.0... 12.5	1899.74	A 2	C and D
					321.5	75.15	....	1899.71	A 1	A and C
8979	Σ 2432 rej.	W ^a XVIII ^b . 1397	56 14	12 22	....	III-IV	7... 10	....	Σ	Reddish yel.: ash
8980	H 875	....	56 15	- 2 20	92 \pm	6 \pm	12 ... 12	1820+	H	
8981	H IV. 93	....	56 18:	41 3:	246.0	19.83	....	1783.63	H	
8982	H 92	DM (32°) 3295	56 21	32 21	41.9	1.06	9.0... 9.1	1886.18	Ho 2	
8983	Σ 2436	DM (8°) 3950	56 24	8 35	308.9	34.58	7.4... 8.1	1830.35	Σ 5	Yel'sh wh.: bluish wh.
8984	A 359	DM (6°) 3998	56 26	6 42	275.5	1.95	9.0... 11.2	1902.71	A 3	(Bul. L. O. No. 29)
8985	H 1360	....	56 30	36 28	232.5	3 \pm	14 = 14	1828+	H	"Very delicate"
8986	Σ 2434	P XVIII ^b . 274	56 34	- 0 53	147.0	25.56	7.9... 8.4	1831.57	Σ 4	A and B
					80.5	1.93	... 10.3	1831.57	Σ 3	B and C
8987	Ho 93	Schj. 7117	56 36	14 16	334.6	1.07	7.7... 12.0	1883.68	Ho 2	A and B
					210.5	39.17	... 12.5	1892.76	Ho 1	A and C
8988	Σ 2437	L 35583	56 38	19 0	80.8	1.08	7.8... 8.0	1830.79	Σ 5	White
8989	H 2851	L 35586	56 41	18 57	108.8	16 \pm	7 ... 15	1830+	H	
8990	H 1361	W ^a XVIII ^b . 1732	56 44	29 7	166.6	8 \pm	9 ... 12	1828+	H	
8991	H N. 129	L 35530	57 0	-23 5	....	Cl. II	....	1801.69	H	
8992	See 368	Cord. 18 ^b . 3023	57 3	-31 7	305.7	16.86	8.1... 11.5	1896.77	See 2	
8993	H N. 126	B. A. C. 6504	57 10	-21 43	....	Cl. I	....	1801.67	H	
8994	H 2852	DM (7°) 3943	57 16	7 14	134.5	18 \pm	10 ... 12	1830+	H	
8995	See 369	α Sagittarii	57 29	-21 55	236.7	34.53	4.5... 14.5	1897.74	See 1	
8996	A 360	A. G. Lelp. 8986	57 34	7 8	287.2	0.44	9.4... 9.5	1902.73	A 3	(Bul. L. O. No. 29)
8997	Σ 2452	Draconis 233	57 35	75 38	219.8	5.65	6.7... 7.5	1832.09	Σ 3	White
8998	Ho 94	SD (11°) 4857	57 36	-11 39	314.7	6.97	9.0... 11.5	1885.15	Ho 2	
8999	H 1362	16 Lyræ	58 3	46 46	270.0	25 \pm	6 ... 14	1828+	H	
9000	Σ 2441	DM (31°) 3441	58 7	31 13	291.9	5.22	7.7... 9.3	1830.34	Σ 3	7.7 yel'sh
9001	Σ 2442	DM (16°) 3713	58 20	16 48	207.6	23.05	8.0... 9.5	1828.77	Σ 2	8.0 yel'sh
9002	Σ 2439	SD (7°) 4844	58 32	- 7 19	199.5	21.97	8.0... 9.0	1831.02	Σ 3	White
9003	Σ 2444	L 35688	58 32	25 53	321.5	24.78	8.5... 10.2	1829.74	Σ 3	8.5 yel.
9004	Σ 2443	W ^a XVIII ^b . 1475	58 36	14 36	312.8	6.31	8.2... 8.6	1829.16	Σ 4	White
9005	Sh 286	15 Aquilæ	58 38	- 4 13	206.7	35.62	6 ... 7	1823.54	Sh 2	White: bluish
9006	H 5507	SD (15°) 5223	18 58 49	-15 50	50\pm	....	6 ... 12	1823.6	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
9007	β 974	Schj. 7133	18 ^h 58 ^m 53 ^s	— 6° 21'	87° 8	0' 72	9.4... 9.8	1880.60	β 3	
9008	η I. 60	....	58 54:	31 32:	286.8	....	....	1783.10	η 1	
9009	β 52	W ⁺ XVIII ^h . 180	58 54	25 51	171.0	8.65	9.6... 11.5	1896.61	Lv 3	B and C }
					299.8	51.91	8.2...	1896.61	Lv 3	A and B }
9010	A 589	A. G. Bonn 12549	59 14	42 22	8.4	0.47	8.6... 9.5	1903.80	A 3	(Bul. L. O. No. 30)
9011	Σ 2450	Draconis 228	59 18	52 5	305.1	4.88	6.9... 9.6	1832.23	Σ 4	Very <i>yel.</i> : <i>ash</i>
9012	Σ 2448	DM (35°) 3460	59 22	35 34	193.2	2.37	8.2... 8.2	1831.61	Σ 6	<i>Yel'sk</i> <i>wh.</i>
9013	β 1285	L 35740	59 31	33 58	295.1	11.10	7.1... 13.3	1899.31	β 3	A and B }
					208.4	39.84	... 10.5	1899.44	β 1	A and C }
9014	β 466	W ⁺ XVIII ^h . 1503	59 34	10 39	165.1	1.71	9.2... 10.0	1877.73	Δ 2	
9015	Σ 2445	Vulpeculae 1	59 35	23 9	263.5	12.12	6.3... 8.0	1830.74	Σ 5	Very <i>wh.</i> : <i>ashy</i>
9016	H 1364	DM (44°) 3051	59 36	44 17	204.5	1 \pm	10-11... 11	1828+	H	
9017	H 5090	SD (10°) 4948	59 42	— 10 54	247.0	15 \pm	10 = 10	1835.4	H	
9018	Bird 4	DM (32°) 3306	59 45	32 35	315.2	2.66	8.4... 8.6	1881.38	β 4	
9019	H 2853	SD (20°) 5395	59 52	— 20 10	99.5	12 \pm	9-10... 10	1830+	H	8.3 m. in SD
9020	β 287	ζ Aquilae	59 54	13 41	59.6	4.92	3.0... 12	1878.54	β 3	
9021	Σ 2446	P XVIII ^h . 302	59 56	6 22	154.5	10.13	6.3... 8.3	1831.70	Σ 6	<i>Wh.</i> : <i>bluish</i>
9022	S 710	L 35693	59 58	— 16 25	4.6	7.05	6 ... 10	1825.54	S 2	to <i>blue</i>
9023	Σ 2451	DM (51°) 2488	19 0 4	51 25	58.1	2.60	8.7... 9.0	1831.31	Σ 3	<i>White</i>
9024	β 359	W ⁺ XVIII ^h . 1849	0 7	23 15	82.6	4.29	8.8... 10.0	1876.97	Δ 6	
9025	H 1365	DM (26°) 3443	0 22	26 57	327.5	15 \pm	9-10... 11	1828+	H	
9026	Σ 2447	Aquilae 39	0 22	— 1 32	344.9	13.82	6.7... 9.1	1829.53	Σ 5	6.7 <i>yel'sk</i>
9027	Ho 441	SD (12°) 5283	0 33	— 12 51	200.7	1.31	9.5... 9.5	1888.59	Ho 2	
9028	Σ 2449	W ⁺ XVIII ^h . 1526	0 33	6 58	292.3	8.01	7.1... 7.8	1829.80	Σ 5	<i>White</i>
9029	Da 9	L 35816	0 35	43 42	179.5	2.16	7.4... 11.0	1859.82	Da 5	
9030	S 711	L 35703	0 41	— 27 1	124.5	45.11	8 ... 10-11	1825.54	S 3	
9031	H 1363	....	0 46	— 16 58	323.5	3 \pm	13 = 13	1828+	H	
9032	Ho 95	DM (27°) 3241	0 49	27 6	218.8	0.38	8.0... 8.0	1885.79	Ho 2	
9033	Lewis 27	....	1 :	29 53:	190.1	1.03	9 ... 10	1900.50	L 1	(M. N. LXI, 486)
9034	H 2854	DM (8°) 3975	1 5	8 36	63.6	8 \pm	9 ... 11	1830+	H	
9035	Σ 2453	L 35825	1 7	39 57	100.3	15.13	8.2... 10.7	1829.81	Σ 3	
9036	Ho 96	SD (12°) 5288	1 11	— 12 56	133.7	2.85	9.0... 10.7	1886.78	Ho 2	
9037	A. G. 227	A. G. Lund 8120	1 14	37 52	7.5	5.70	9.3... 9.4	1903.51	β 2	
9038	Σ 2454	DM (30°) 3413	1 30	30 15	204.0	0.75	8.0... 9.2	1831.50	Σ 3	8.0 <i>yel.</i>
9039	Arg. 33	O. Arg. N. 18919	1 32	57 17	....	....	8-9...	....	....
9040	A 361	A. G. Lohp. II. 9041	1 38	8 0	24.5	0.31	9.6... 9.8	1902.62	A 3	(Bul. L. O. No. 39)
9041	Σ 2456	DM (38°) 3429, 3428	1 40	38 20	13.6	29.07	8.2... 8.2	1829.43	Σ 3	<i>White</i>
9042	η V. 103	L 35845	1 42	35 42	60.6	45.53	....	1783.63	η 1	
9043	Σ 2455	L 35821	1 47	21 59	144.5	4.93	7.2... 8.3	1828.77	Σ 3	7.2 very <i>wh.</i>
9044	Ho 97	W ⁺ XVIII ^h . 1920	1 52	31 33	19.1	0.73	9.0... 9.0	1881.96	Ho 3	A and B }
					57.6	15.36	... 13	1881.64	Ho 2	AB and C }
					312.0	38.	... 12.5	1881.64	Ho 1	AB and D }
9045	Σ 2457	DM (22°) 3594	2 3	22 24	201.3	10.10	7.2... 8.7	1828.73	Σ 2	7.2 <i>wh.</i>
9046	Σ 2458	DM (27°) 3247	2 4	27 34	227.7	10.93	8.5... 9.0	1829.23	Σ 2	
9047	A 94	SD (9°) 5013	2 9	— 9 30	315.5	2.23	8.7... 8.9	1900.46	A 3	
9048	A 262	A. G. Berlin 6855	2 20	24 20	89.8	0.17	9.0... 9.1	1901.43	A 3	
9049	Σ 2459	DM (25°) 3726	2 28	25 47	233.0	13.75	8.4... 9.1	1830.70	Σ 4	<i>White</i>
9050	H 876	W ⁺ XVIII ^h . 851	2 29	8 48	10 \pm	17 \pm	9 ... 16	1820+	H	
9051	Σ 2463	DM (45°) 2831	2 30	45 38	9.9	9.58	8.5... 10.2	1832.22	Σ 4	A and B }
					286.4	13 \pm	...(14)	1828+	H	A and C }
9052	Σ 2460	DM (19°) 3920	2 45	19 34	198.9	9.18	9.0... 9.2	1829.01	Σ 3	
9053	Σ 2461	17 Lyræ	2 53	32 19	330.6	3.72	5.7... 9.8	1830.72	Σ 3	<i>Yel'sk.</i> : <i>bluish</i>
9054	Σ 2478	DM (69°) 1022	3 4	69 16	290.2	1.33	8.8... 8.8	1832.54	Σ 3	
9055	Σ 2465	DM (30°) 3427	3 8	30 29	250.1	1.21	8.3... 10.2	1831.06	Σ 3	8.3 <i>yel'sk</i>
9056	Σ 2466	DM (29°) 3483	19 3 13	29 37	109.3	2.28	8.0... 8.5	1831.02	Σ 3	Very <i>wh.</i>

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
9057	Σ 2462	DM (3°) 3918	19 ^h 3 ^m 15 ^s	3° 13'	152.8	8.30	9.5... 9.5	1831.07	Z 2	A and B
					231.6	8.62	...12.5	1878.70	β 1	A and C
					71.8	5.95	...12.5	1878.70	β 1	B and D
9058	Ho 570	....	3 24	19 2	224.0	10.35	9 ...10.5	1894.05	Ho 3	
9059	Ho 98	L 35917	3 25	26 54	163.6	0.27	8.0... 8.0	1886.41	Ho 3	A and B
					110.7	27.55	...12.2	1893.17	Ho 1	AB and C
9060	Ho 99	DM (30°) 3432	3 30	30 20	128.0	0.3±	9.0... 9.0	1881.96	Ho 3	
9061	Σ 2464	DM (11°) 3751	3 36	11 41	19.2	1.36	8.2...10.5	1830.36	Z 3	8.2 wh.
9060	H 1369	....	3 39	36 44	124.7	4±	11 ...11-12	1828+	H	
9063	Ho 442	W ^a XIX ^b . 41	3 39	19 2	89.4	2.28	9.0...10.5	1893.24	Ho 2	
9064	Σ 2469	P XIX ^b . 8	3 42	38 44	120.9	1.27	7.6... 8.7	1831.05	Z 4	White
9065	H 2855	....	3 51	22 28	....	12±	10 ...11	1830+	H	
9066	H 1370	W ^a XIX ^b . 77	4 1	40 39	278.5	15±	8 ...13	1828+	H	
9067	Σ 2467	DM (30°) 3436	4 2	30 38	263.0	10.11	8.6... 9.0	1829.50	Z 4	
9066	H 1368	....	4 5	12 8	20±	5±	10 ...15	1828+	H	A and B
					220±	10±	...15	1828+	H	A and C
9069	Ho 100	W ^a XIX ^b . 29	4 9	-12 20	327.5	4.80	8.0...11.0	1884.64	Ho 3	
9070	Ho 571	W ^a XIX ^b . 74	4 13	30 41	215.3	11.09	8 ...12	1895.60	Ho 3	(A. N. 3557)
9071	Ho 443	....	4 16	19 13	111.1	2.76	9.5... 9.5	1893.75	Ho 1	
9072	H 1367	O. Arg. 8. 19207	4 18	-17 37	62.0	12±	9-10...10-11	1828+	H	A and B
					315.0	15±	...17	1828+	H	A and C
9073	Σ 2470	DM (34°) 3437.3436	4 22	34 34	271.5	12.90	6.7... 8.2	1829.78	Z 3	White
9074	Ho 444	L 35960	4 22	26 45	75.9	1.08	8.4...10.0	1893.11	Ho 4	
9075	Σ 2472	P XIX ^b . 13	4 25	37 43	336.5	17.14	7.5... 9.2	1831.86	Z 3	A and B
					349.1	75.07	....	1832.91	Z 3	A and C
					293.2	6.21	9.0... 9.2	1831.86	Z 3	C and D
9076	Σ 2468	DM (8°) 3992	4 27	8 29	258.1	7.58	8.2... 9.2	1830.69	Z 3	Wh.: bluish
9077	A 95	L 35921	4 33	-7 37	36.8	0.23	7.2... 7.8	1900.46	A 3	
9078	Σ 2474	DM (34°) 3439.3438	4 40	34 24	258.7	17.32	6.7... 8.0	1830.79	Z 3	Yel'ish: ashy
9079	Ho 572	L 35989	4 45	30 22	315.7	18.40	6.5...12.2	1896.68	Ho 2	(A. N. 3557)
9080	H 877	....	4 46	19 22	305±	5±	11 ...11+	1820+	H	
9081	See 371	Cor. DM (22°) 13701	4 55	-22 7	330.1	7.84	7.5...13.4	1897.72	See 1	
9082	O. Stone 45	....	5 :	75 42:	244.7	5.54	7.0... 9.5	1879.50	Cin 1	A and B
					278.3	23.10	... 9.5	1879.50	Cin 1	A and C
9083	H 1372	....	5 2	24 29	174.4	10±	10 ...13-14	1828+	H	
9084	Σ 2475	DM (17°) 3879	5 6	17 32	322.1	6.30	8.4...10.5	1830.48	Z 4	8.4 wh.
9085	Σ 2471	L 35971	5 10	7 56	121.8	7.63	7.9...10.7	1830.18	Z 4	7.9 wh.
9086	H 1371	DM (14°) 3814	5 11	14 16	95.2	10±	9-10...10-11	1828+	H	
9087	A 150	A. G. Bertha 6875	5 11	20 18	99.8	0.38	8.9... 9.0	1900.57	A 4	
9086	Espin —	DM (61°) 1816	5 11	61 5	243.9	6.1	9.1... 9.8	1903	Es	(M. N. LXIV, 238)
9089	H 5096	SD (10°) 4985	5 12	-10 47	70.2	15±	9 ...10	1835.4	H	
9090	Δ 19	Cygni 4	5 52	55 8	40.8	obl.	7.0...10.0	1863.87	Δ 4	A and B
					38.0	6.65	... 9.4	1832.61	Z 4	AB wh.: C blue
										AB and C
9091	A 263	DM (38°) 3458	5 53	38 10	227.3	1.39	8.5...14.7	1901.56	A 3	
9092	H 5097	....	5 56	-17 48	88.8	4±	10 ...12	1836.5	H	
9093	Schj. 19	W ^a XIX ^b . 81	5 57	0 43	257.7	50.48	8.6... 9.0	1904.35	β 2	
9094	Σ 2477 rej.	SD (4°) 4719	6 0	-4 40	45.3	30.10	8 ...10	1848.65	Mh 1	
9095	β 1204	Aquile 56	6 1	2 25	3.8	0.44	7.7... 8.5	1890.56	β 3	A and B
					195.0	12.89	...14	1890.57	β 4	A and C
					159.9	21.23	...14.8	1890.61	β 3	A and D
					317.4	26.30	...14.2	1890.57	β 2	A and E
					292.5	27.77	...14	1890.57	β 3	A and F
					214.7	31.41	6.2...11.0	1830.61	Z 2	A and G
9096	H 878	....	6 4	8 30	340±	16±	10-11...11+	1820+	H	
9097	A 151	A. G. Bertha 6885	19 6 15	21 4	125.5	0.54	7.6... 8.9	1900.57	A 4	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
9098	H 265	....	19 ^h 6 ^m 15. ^s	- 2° 35'	285° ±	5' ±	10 ... 11	1820+	H	A and B } A and C } A and D }
					295 ±	....	....	1820+	H	
					360 ±	....	....	1820+	H	
9099	A 152	DM (36°) 3430	6 20	36 49	2.5	2.06	9.1... 9.3	1901.31	A 2	
9100	A 96	SD (7°) 4888	6 21	- 7 42	24.9	3.47	8.5... 13.5	1900.46	A 3	(A. N. 3668)
9101	H 1373	....	6 23	-18 19	227.5	9 ±	10 ... 11	1828+	H	
9102	Hu 333	DM (17°) 3881	6 24	17 41	85.6	2.01	8.1... 13.2	1901.54	Hu 4	(Bul. L. O. No. 12)
9103	H 2856	....	6 31	-16 44	141.5	3 ±	11 ... 12	1830+	H	"A pretty double star."
9104	Hu 334	DM (17°) 3883	6 32	17 57	244.9	1.58	8.5... 11.0	1901.54	Hu 3	(Bul. L. O. No. 12)
9105	H 1374	L 36113	6 34	44 22	110.3	8 ±	9 ... 15	1828+	H	A and B } A and C }
					350 ±	15 ±	... 17	1828+	H	
9106	β 138	L 36013	6 37	-14 39	278.3	1.54	7.5... 10.9	1875.07	Δ 4	
9107	Schj. 20	W ^o XIX ^a . 101	6 40	- 3 45	230.3	61.09	8.5... 8.8	1901.45	β 2	
9108	A 97	SD (3°) 4516	6 45	- 3 37	39.6	0.64	10.2... 10.3	1900.50	A 3	B and C } BC and D } (A. N. 3668) A and BC }
					239.7	7.25	... 13.5	1900.51	A 1	
					222.6	92.67	8.5...	1900.47	A 1	
9109	A 362	A. G. Albany 6584	6 47	4 52	246.8	4.83	8.7... 14.2	1902.48	A 3	(Bul. L. O. No. 59)
9110	A 590	A. G. Bonn 12682	6 48	41 27	131.6	0.46	9.0... 9.1	1903.57	A 3	(Bul. L. O. No. 50)
9111	Hd 152	Ord. G. C. 26333	6 51	-29 29	263.6	1 ±	8 ... 10	1867.62	Hd 1	
9112	Σ 2480	L 36082	6 51	26 3	24.3	14.56	7.2... 10.5	1829.66	Z 2	7.2 wk.
9113	H 2857	....	7 2	41 35	211.2	15 ±	9-10... 13	1830+	H	
9114	Se 2	W ^o XIX ^a . 187	7 5	38 35	234.3	3.83	8.0... 8.0	1830.45	Z 3	A and BC } AB=Σ 2481 B and C }
					95.5	0.40	... 9.0	1858.22	Se 2	
9115	Cordoba	Ord. G. C. 26344	7 11	-27 31	328.3	1.99	7.6... 8.4	1897.71	See 1	
9116	β 139	Aquiline 59	7 12	16 39	139.5	0.72	6.7... 8.0	1875.88	Δ 6	A and B } AB and C }
					288.3	120.76	... 7.5	1874.96	Δ 3	
9117	Ho 445	DM (24°) 3673	7 27	24 23	244.5	4.78	9.2... 10.3	1893.67	Ho 3	
9118	H 879	21 Aquilae	7 39	2 5	295 ±	25 ±	6 ... 19	1820+	H	
9119	β 422	O. Arg. S. 19281	7 43	-18 16	44.6	12.40	8.2... 11.8	1891.57	β 3	
9120	A 264	W ^o XIX ^a . 193	7 43	24 23	289.5	2.79	8.0... 13.5	1901.35	A 3	A and B } A and C } A and D } D and E }
					58.3	8.69	7.5... 12	1843.63	Ma 1	
					112.0	3.36	....	1901.35	A 1	
					118.8	5.38	15.5... 16.0	1901.35	A 1	
9121	A 98	SD (8°) 4900	7 43	- 8 55	55.2	1.20	11.0... 11.1	1900.43	A 2	B and C } (A. N. 3668) A and BC }
					127.7	28.81	6.9...	1900.42	A 1	
9122	H 1375	....	7 43	28 0	91.0	12 ±	10 ... 11	1828+	H	
9123	Σ 2483	W ^o XIX ^a . 196	7 44	30 9	319.0	9.67	7.2... 8.3	1831.11	Z 3	A and B } A and C } White
					237.0	71.12	... 8.5	1831.85	Z 2	
9124	Σ 2482	DM (18°) 3985	7 46	18 56	350.8	2.02	8.5... 9.8	1830.40	Z 3	8.5 wk.
9125	A 591	A. G. Bonn 12697	7 58	42 3	289.2	4.38	9.0... 14.5	1903.57	A 3	(Bul. L. O. No. 50)
9126	A 153	A. G. Berlin 6898	8 0	21 42	282.3	0.81	8.0... 11.2	1900.59	A 3	
9127	Ho 573	DM (19°) 3946	8 2	19 21	124.7	7.03	9 ... 9.5	1897.03	Ho 3	(A. N. 3557)
9128	Howe 46	O. Arg. S. 19295	8 9	-16 11	159.3	5.08	8.2... 8.7	1879.63	Cin 2	
9129	A 154	A. G. Berlin 6900	8 18	23 11	353.9	1.02	8.8... 9.9	1900.59	A 4	A and B } A and C }
					148.0	7.36	... 13.5	1900.60	A 1	
9130	Hu 335	DM (19°) 3949	8 20	20 0	222.3	0.49	7.3... 11.0	1901.61	Hu 3	(Bul. L. O. No. 12)
9131	Ho 101	DM (30°) 3471	8 38	30 48	113.0	1.89	9.3... 10.0	1881.89	Ho 4	
9132	H 2858	....	8 46	22 38	257.6	6 ±	10-11... 15	1830+	H	
9133	H 2859	DM (22°) 3629	8 48	22 40	19.0	4 ±	10-11... 15	1830+	H	
9134	OΣ 369	Rad ^a . 4235	8 49	71 53	43.3	0.74	7.0... 7.3	1848.10	OΣ 3	
9135	H 1377	L 36224	8 51	47 10	357.0	30 ±	7 ... 16	1828+	H	
9136	Σ 2484	W ^o XIX ^a . 222	8 59	18 52	218.4	2.50	7.4... 8.9	1831.76	Z 5	7.4 yrish wk.
9137	Σ 2466	Cygni 6	9 0	49 37	224.8	10.46	6.0... 6.5	1832.46	Z 3	
9138	H 5101	O. Arg. S. 19310	9 2	-25 33	311.5	20 ±	8½... 9	1837.2	H	
9139	H 1376	W ^o XIX ^a . 224	9 4	15 10	120.4	6 ±	8 ... 12	1828+	H	
9140	Σ 2485 rev.	W ^o XIX ^a . 234	19 9 9	22 56	....	CL III	8 ... 11	....	Z	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
9141	Sh 289	W ^h XIX ^b . 253	19 ^h 9 ^m 24 ^s	38° 50'	57° 7'	40.39	9 ... 10	1823.46	Sh 2	
9142	H 1380	....	9 30	47 33	225.9	4±	9-10...11	1828+	H	
9143	A 265	DM (28°) 3249	9 32	28 29	17.6	0.75	10.0...10.2	1901.61	A 2	
9144	Σ 2487	η <i>Lyrae</i>	9 40	38 56	84.9	27.89	4.0... 8.1	1830.86	Σ 5	Blue: ash
9145	Hu 262	SD (17°) 5552	9 44	-18 1	359.2	1.85	9.0... 9.2	1900.54	Hu 3	(A. J. 494)
9146	OΣ 366 rej.	L 36242	9 48	34 0	230.6	21.84	7.2... 9.8	1866.55	Δ 3	7.2 wh.
9147	A 99	SD (9°) 5067	9 49	-9 38	67.1	1.96	10.0...10.0	1900.49	A 3	(A. N. 3668)
9148	A 266	A. G. Berlin 6914	9 51	24 20	21.5	1.27	8.7...14.0	1901.39	A 3	
9149	OΣ (App) 178	L 36207	9 52	14 53	267.8	89.65	5.5... 7.5	1875.61	Δ 4	
9150	Hu 34	Rad ¹ . 4234	9 55	55 6	271.2	3.30	8.5... 9.1	1881.46	β 3	
9151	H 1379	....	10 0	31 25	310.3	5±	10-11...12	1828+	H	
9152	β 975	L 36263	10 4	34 21	221.8	0.77	7.4... 9.4	1880.59	β 3	B and C } AB =
					228.1	33.57	6.8... 9.3	1866.86	Δ 3	A and BC } OΣ 367
9153	Arg. 34	O. Arg. N. 19082	10 7	63 2	....	....	8 ...	....	....	rej.
9154	β 140	L 36185	10 12	-11 11	209.3	7.18	11.0...11.2	1891.56	β 2	B and C }
					326.9	36.87	7.6...	1891.55	β 3	A and B }
9155	Σ 2488	DM (19°) 3961	10 15	19 49	318.5	1.29	8.5... 9.7	1829.04	Σ 3	
9156	H 880	....	10 18	4 25	130±	3±	12 ...12	1820+	H	
9157	OΣ 368	W ^h XIX ^b . 279	10 37	15 57	217.5	0.81	7.3... 8.5	1850.40	OΣ 6	A and B }
					98.2	17.37	....	1878.63	β 1	AB and C }
9158	H 2860	SD (11°) 4934	10 39	-11 47	102.8	15±	10 ...10	1830+	H	
9159	H 2861	DM (7°) 4074	10 40	7 0	57.3	10±	10 ...13	1830+	H	
9160	Ku 57	DM (15°) 3748	10 47	15 21	230.9	9.91	9.4...10.1	1901.57	Ku 2	Kustner (381)
9161	S 715	L 36205	10 47	-16 10	15.5	9.17	8.5... 9	1825.56	S 3	
9162	Hu 263	SD (15°) 5302	10 49	-15 11	19.0	2.20	9.0...12.0	1900.72	Hu 2	(A. J. 494)
9163	A 100	SD (3°) 4548	10 52	-3 35	0.9	0.79	8.9...10.2	1900.47	A 3	(A. N. 3668)
9164	Σ 2489	<i>Aquilae</i> 71	10 57	14 20	349.3	8.17	6.5... 9.5	1828.72	Σ 3	6.5 wh.
9165	H 1378	....	11 3	-20 41	65.0	5±	12 ...13	1828+	H	
9166	H 2862	1 <i>Vulpeculae</i>	11 3	21 11	10.6	25±	5-6...17	1830+	H	
9167	OΣ 371	L 36293	11 7	27 15	154.1	0.81	6.8... 6.9	1846.50	OΣ 6	A and B }
					267.9	47.81	... 9.0	1851.75	OΣ 1	AB and C }
9168	H V. 77	<i>Sagittarii</i> 214	11 10	-19 5	168.7	36.05	....	1783.62	H 1	
9169	A 363	A. G. Lep. II. 9140	11 11	7 11	174.2	1.84	8.6...13.5	1902.60	A 3	(Bul. L. O. No. 99)
9170	S 716	O. Arg. B. 19357	11 12	-16 10	199.1	6.28	10 ...10½	1825.55	S 3	
9171	OΣ 370	P XIX ^b . 49	11 19	9 8	14.6	19.65	7.5... 8.2	1846.83	OΣ 3	Reddish: bluish
9172	Ho 447	....	11 22	27 43	181.0	1.14	9.5... 9.5	1893.80	Ho 2	
9173	Σ 2491	DM (28°) 3268	11 24	28 4	206.6	1.09	7.9... 9.2	1828.77	Σ 4	
9174	Hu 264	SD (16°) 5260	11 25	-16 3	289.8	4.46	8.4...13.5	1900.64	Hu 2	(A. J. 494)
9175	A 155	DM (38°) 3506	11 38	38 29	84.3	4.36	8.1...13.9	1901.30	A 3	
9176	A 156	A. G. Berlin 6928	11 39	24 4	80.1	0.42	7.9... 8.1	1900.59	A 4	
9177	Σ 2490	SD (3°) 4553	11 42	-3 41	249.2	3.24	8.5...10.7	1828.07	Σ 3	8.5 yel'sh
9178	H 881	Schj. 7257	11 43	-5 38	340±	30±	7 ...	1820+	H	A and B }
					310±	3±	11 ...12	1820+	H	B and C } =Ho 574
9179	H 5508	L 36281	11 46	-1 10	100±	10±	9 ...16½	1827.5	H	
9180	Hu 336	DM (18°) 4017	11 57	18 40	199.8	1.49	8.9... 9.2	1901.60	Hu 3	(Bul. L. O. No. 12)
9181	H 5509	DM (8°) 4035	11 59	8 34	100±	10?	11 ...11	1823+	H	
9182	A 157	DM (37°) 3397	12 2	37 10	149.7	1.43	9.1... 9.4	1901.30	A 3	
9183	A. G. 228	DM (62°) 1695	12 4	63 0	102.3	37.11	9.0... 9.1	1902.47	β 2	
9184	H 2863	B. A. C. 6590	12 10	-15 44	14.6	15±	6 ...15	1830+	H	
9185	Σ 2496	<i>Cygni</i> 9	12 10	49 52	77.6	2.44	7.0...10.8	1832.17	Σ 3	7.0 very yel.
9186	Sh 292	θ <i>Lyrae</i>	12 12	37 55	72.1	101.66	4 ...10-12	1823.67	Sh 3	
9187	Ho 102	W ^h XIX ^b . 338	12 13	32 55	345.0	86.10	7.0...	1884.82	Ho 1	A and BC }
					236.6	1.89	10 ...10	1884.82	Ho 2	B and C }
9188	Ho 575	L 36305	12 23	-5 59	10.3	5.70	8 ...12	1894.73	Ho 2	(A. N. 3557)
9189	Σ 2492	23 <i>Aquilae</i>	12 26	0 52	11.1	3.38	5.5... 9.5	1830.20	Σ 4	Yel.: blue
9190	A 158	DM (38°) 3512	19 12 28	38 58	290.5	3.42	8.3...12.3	1901.30	A 3	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
9191	Ho 103	SD (3°) 4558	19 ^h 12 ^m 33 ^s	- 3° 40'	248° 4	2.59	9.2... 9.2	1885.19	Ho 2	
9192	β 1256	W ¹ XIX ^b . 265	12 36	6 7	37.1	0.64	8.3... 8.3	1891.56	β 3	
9193	A 267	A. G. Camb. 9789	12 38	26 25	167.3	0.42	9.2... 9.6	1901.50	A 3	
9194	β 248	2 Vulpeculae	12 39	22 49	125.0	1.86	5.7... 9.5	1876.11	Δ 6	
9195	Σ 40, App. I	24 Aquilae	12 40	0 8	136.1	423.08	6.0... 6.2	1835.65	Σ 5	Wh.: yel.
9196	Espin —	DM (59°) 1979	12 52	59 33	116.3	7.4	9.0... 11.6	1903	Es	(M. N. LXIV, 238)
9197	H 266	....	13 8:	- 1 47:	265±	5±	12 ... 13	1820+	H	(See p. 1081)
9198	H 2864	DM (3°) 3973	13 13	3 48	217.4	20±	9 ... 13-14	1830+	H	(See p. 1081)
9199	Espin —	DM (59°) 1981	13 20	59 33	113.7	8.1	8.8... 11.7	1903	Es	(M. N. LXIV, 238)
9200	Espin 128	DM (46°) 2659	13 24	46 58	281.6	4.7	8.4... 11.5	1902	Es 2	(M. N. LXIII, 172)
9201	Σ 2499	W ² XIX ^b . 365	13 25	21 44	324.9	2.56	8.1... 8.4	1831.05	Σ 4	Very wh.
9202	H 1382	....	13 27	47 47	308.5	6±	10 ... 11-12	1828+	H	
9203	Hu 337	DM (17°) 3924	13 28	17 23	68.6	0.27	8.6... 9.0	1901.51	Hu 3	(Bul. L. O. No. 12)
9204	Σ 2494 ref.	SD (6°) 5103	13 36	- 6 51	76.2	26.59	7-8... 9-10	1848.65	Mh 1	
9205	Hu 72	SD (10°) 5035	13 47	-10 47	61.9	1.12	7.3... 12.5	1899.61	Hu 1	(A. J. 480)
9206	H 1384	DM (55°) 2175	14 0	55 55	146.0	4±	11 = 11	1828+	H	"Neat"
9207	S 717	28 Aquilae	14 3	12 9	175.1	59.28	6 ... 12	1825.04	S 2	B blue
9208	Σ 2497	DM (5°) 4115	14 7	5 22	358.0	29.98	6.9... 8.0	1830.01	Σ 4	Yel'sh: wh.
9209	A 101	SD (6°) 5107	14 8	- 6 17	37.1	3.08	8.6... 10.7	1900.50	A 3	(A. N. 3668)
9210	Σ 2500 ref.	DM (19°) 3976	14 11	19 30	23.0	18±	8-9... 11	1830+	H	
9211	Σ 2498	DM (3°) 3978	14 12	3 49	66.7	12.16	7.2... 7.8	1827.13	Σ 3	Yel.: purplish
9212	H 882	....	14 13	10 23	305±	6±	11 ... 11+	1820+	H	
9213	β 360	DM (34°) 3494	14 19	35 0	72.2	6.27	8.4... 10.0	1876.61	Δ 4	A and B }
					343.4	36.57	... 10.6	1876.61	Δ 4	A and C }
9214	Σ 2508	DM (67°) 1132	14 24	67 39	117.7	17.65	8.7... 9.0	1832.40	Σ 3	White
9215	H 597	....	14 29	-12 34	225±	12±	11 = 11	1820+	H	
9216	H VI. 120	Sagittarii 226	14 35	-19 27	319.0	....	....	1783.62	H 1	
9217	H 2865	....	14 35	22 8	230.8	12±	10 ... 11	1830+	H	
9218	H 1383	....	14 36	31 20	110.2	6±	10-11=10-11	1828+	H	
9219	Howe 47	L 36414	14 38	2 43	334.0	0.39	8.2... 8.3	1890.56	β 3	
9220	Ho 272	SD (17°) 5598	14 46	-17 28	38.4	6.74	7.5... 12.0	1888.70	Ho 2	
9221	Ho 576	DM (6°) 4099	14 46	6 25	180.9	3.56	7.0... 10.7	1894.71	Ho 2	
9222	Σ 2502	W ² XIX ^b . 419	14 53	39 3	205.8	1.83	8.2... 10.2	1831.07	Σ 3	
9223	OΣ (App) 180	L 36460	15 11	14 12	266.3	80.22	7.2... 8.2	1874.98	Δ 3	
9224	Ho 577	....	15 12	54 9	266.8	3.20	9.5... 11	1897.55	Ho 3	A and B } (A. N. 3557)
					40.0	13.58	... 9.5	1897.55	Ho 2	A and C }
9225	OΣ (App) 181	L 36483	15 15	26 26	5.0	54.54	6.2... 6.3	1875.33	Δ 3	Red: blue
9226	Hn 149	SD (18°) 5330	15 16	-18 37	184.7	1.29	10.1... 10.2	1888.76	Com 3	
9227	Hu 265	SD (17°) 5601	15 24	-17 33	89.9	0.94	9.3... 9.6	1900.62	Hu 3	(A. J. 494)
9228	H 883	....	15 28	3 59	300±	8±	11 ... 13	1820+	H	
9229	H 884	DM (9°) 4075	15 28	9 36	310±	40±	9 ...	1820+	H	A and BC }
					235±	5±	16 ... 16	1820+	H	B and C }
9230	Σ 2505	DM (35°) 3573	15 32	35 19	314.9	9.93	8.0... 8.7	1831.82	Σ 2	Yel.: blue
9231	A 102	SD (7°) 4913	15 40	- 7 49	37.4	0.43	9.0... 9.0	1900.49	A 3	A and B }
					125.4	4.91	8.0... 12.2	1885.13	Ho 2	AB and C }
9232	Σ 2501	L 36452	15 42	- 4 58	21.0	19.65	7.3... 8.8	1829.62	Σ 3	7.3 wh.
9233	Σ 2504	W ² XIX ^b . 431	15 42	18 55	288.3	8.92	6.4... 8.1	1830.52	Σ 5	Yel'sh wh.: bluish
9234	H 1386	....	15 42	45 48	327.8	6±	10-11... 10-11	1828+	H	
9235	Σ 2509	P XIX ^b . 108	15 43	62 59	353.0	0.52	7.0... 8.1	1832.30	Σ 4	Yel'sh
9236	H 1385	....	15 46	43 49	205.3	3±	11 ... 16	1828+	H	"Difficult"
9237	Hu 338	DM (17°) 3935	15 47	17 28	109.4	0.31	9.4... 9.4	1901.51	Hu 3	(Bul. L. O. No. 12)
9238	H 2868	....	15 50	57 55	109.2	7±	11 ... 11-12	1830+	H	
9239	Hn 150	L 36456	15 56	-11 51	110±	1.5±	9.8... 11.5	....	Hn	A and B }
					150±	20±	... 12	....	Hn	A and C }
9240	Howe 48	O. Arg. S. 19458	15 56	-18 13	81.8	2.56	9.0... 9.3	1880.51	Cin 2	
9241	H V. 31	....	19 15 56:	2 58:	....	30±	....	1781.54	H 1	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
9242	A. G. 229	DM (8°) 4055, 4056	19 ^h 15 ^m 56 ^s	8° 58'	168° 6	25.65	8.2... 8.7	1898.51	So 1	Sols' (3529)
9243	Σ 2507	DM (44°) 3107	16 2	44 9	150.4	20.10	... 10.9	1865.09	Δ 4	A and B
					136.7	23.86	8.2... 9.3	1831.67	Σ 3	A and C
					101.3	6.46	....	1865.08	Δ 2	B and C
9244	Σ 2503	SD (7°) 4918	16 14	- 7 21	280.2	2.55	8.3... 9.3	1829.41	Σ 3	
9245	Σ 2506 <i>rej.</i>	DM (14°) 3888	16 14	14 8	350.9	16.33	8 ... 8	1843.60	Ma 1	
9246	H 5110	Cond. DM (29°) 16082	16 19	-29 53	121.0	5±	9½... 10	1837.5	H	
9247	H 2866	O. Arg. B. 19469	16 27	-18 14	52.1	18±	9=9	1830+	H	A and B
					140.0	18±	... 9	1830+	H	B and C
9248	Σ 3131	DM (38°) 3547	16 29	38 57	306.1	9.34	8.5... 10.5	1832.93	Σ 2	
9249	Hu 266	SD (16°) 5291	16 35	-16 44	189.3	4.26	8.8... 12.5	1900.66	Hu 2	(A. J. 494)
9250	Hu 73	SD (10°) 5058	16 39	-10 14	223.3	1.03	9.0... 10.2	1899.69	Hu 4	(A. J. 480)
9251	Σ 2514	DM (67°) 1135	16 49	67 28	277.0	7.39	9.0... 11.3	1832.67	Σ 3	9.0 <i>yel'sh</i>
9252	Ho 105	W ⁺ XIX ^h . 462	16 49	16 26	188.4	2.59	8.5... 10.0	1883.69	Ho 2	
9253	β 141	L 36553	16 50	22 17	80.6	0.71	7.5... 9.1	1875.97	Δ 6	A and B
					335.2	26.53	... 11.5	1875.27	Δ 1	AB and C
					177.2	4.90	... 12.7	1898.59	A 3	C and D
					90.5	50.75	... 11.0	1877.78	Δ 1	AB and E
					214.4	50.22	... 12.5	1898.64	A 1	AB and F
9254	H 1388	DM (29°) 3567	16 51	29 58	214.5	14±	9-10... 12	1828+	H	8.8 m. in DM
9255	Hu 35	SD (18°) 5342	16 52	-18 44	191.2	1.40	8.8... 9.0	1881.65	β 3	(=Hu 151)
9256	A 268	A. G. Camb. 9864	16 57	30 4	102.1	3.47	8.8... 12.3	1901.67	A 3	
9257	A 103	SD (4°) 4793	17 12	- 4 38	2.4	3.23	9.1... 9.5	1900.50	A 3	(A. N. 3668)
9258	H 1389	....	17 15	30 37	102.0	5±	14=14	1828+	H	
9259	Σ 2511 <i>rej.</i>	DM (50°) 2784	17 24	50 7	....	III-IV	7 ... 10	....	Σ	
9260	H 5113	Lac. 8098	17 30	-29 32	121.9	25±	6 ... 11½	1837.48	H	
9261	H 1390	....	17 31	30 40	102.5	10±	10-11... 11	1828+	H	
9262	Σ 2510	W ⁺ XIX ^h . 393	17 34	9 17	181.7	8.75	8.5... 8.5	1829.05	Σ 3	Very wk.
9263	H 2869	....	17 42	42 0	3.3	3±	13=13	1830+	H	
9264	Lewis 28	....	18 :	22 17:	281.3	0.78	9.0... 10.0	1901.64	L 1	(M. N. LXII, 396)
9265	Glasenapp 8	SD (14°) 5425	18 2	-14 52	69.2	23.99	8.3... 9.4	1890.54	Gla 2	
9266	H 866	....	18 5	21 55	40±	3±	12 ... 13	1820+	H	"In cluster"
9267	Σ 2512	DM (31°) 3567	18 5	31 30	311.8	21.98	7.5... 9.8	1832.46	Σ 3	7.5 <i>yel'sh</i> wk.
9268	Hu 74	SD (12°) 5390	18 11	-12 4	86.3	1.57	8.0... 12.0	1899.68	Hu 2	
9269	H 885	....	18 20	2 51	135±	3-4	13 ... 14	1820+	H	
9270	H 1391	DM (40°) 3689	18 24	40 46	81.4	12±	9-10... 11	1828+	H	8.5 m. in DM
9271	A 104	SD (4°) 4803	18 30	- 4 44	52.2	4.74	8.5... 14.0	1900.54	A 3	(A. N. 3668)
9272	A 592	A. G. Bonn 12907	18 31	41 52	217.3	0.27	8.8... 9.8	1903.85	A 2	(Bul. L. O. No. 50)
9273	H 1392	....	18 33	46 13	233.1	3±	12=12	1828+	H	
9274	Σ 2516	O. Arg. N. 19199	18 44	55 36	235.3	3.90	7.8... 9.5	1831.67	Σ 3	7.8 <i>yel.</i>
9275	H VI. 47	L 36616	18 49	1 36	....	....	....	1781	H	
9276	β 1129	Groom. 2829	18 51	52 9	344.3	0.34	6.3... 6.3	1889.48	β 3	
9277	Σ 41, App. I	2 and 3 <i>Sagittae</i>	18 59	16 42	78.9	336.19	5.9... 6.7	1835.68	Σ 6	Very wk.
9278	H 1393	....	19 4	47 9	121.0	5±	11 ... 12	1828+	H	
9279	Σ 2513	DM (2°) 3877	19 8	2 13	313.0	2.23	8.2... 8.8	1829.06	Σ 3	Yel'sh wk.
9280	A. G. 230	A. G. Liden 7318	19 9	31 4	68.2	5.00	9.1... 9.5	1903.50	β 2	
9281	See 375	O. Arg. B. 19529	19 19	-26 33	166.6	12.57	7.1... 12.2	1897.63	See 1	
9282	Σ 2515	DM (21°) 3768	19 23	21 17	18.3	18.74	8.0 ... 9.0	1829.20	Σ 2	8.0 very wk.
9283	A 364	A. G. Leip. II. 9225	19 28	7 25	50.4	1.18	8.6... 11.2	1902.60	A 2	(Bul. L. O. No. 29)
9284	Espin 80	DM (32°) 3418	19 32	32 55	187.1	3.8	8.6... 9.0	1901	Es	(A. N. 3784)
9285	Schj. 21	DM (4°) 4096	19 33	4 36	214.1	41.21	8.2... 9.2	1901.65	β 2	
9286	H 2870	....	19 40	39 28	168.2	8±	11=11	1830+	H	A and B
					103.4	5±	... 13	1830+	H	B and C
9287	Σ 2517 <i>rej.</i>	DM (22°) 3687	19 40	22 32	138.5	15.86	8.7... 9.7	1901.67	β 2	
9288	Ho 448	W ⁺ XIX ^h . 553	19 41	23 23	358.9	7.66	8 ... 11	1890.98	Ho 3	
9289	Hu 339	DM (18°) 4063	19 19 45	18 25	44.5	0.53	8.6... 8.6	1901.53	Hu 3	(Bul. L. O. No. 12)

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
9290	A 365	A. G. Leip. II. 9229	19 ^h 19 ^m 47 ^s	7° 44'	155° 8	1'.26	8.5...12.2	1902.60	A 3	(Bul. L. O. No. 29)
9291	OΣ 372	Rad ^r . 4305	19 48	46 58	57.2	79.44	7.0... 8.8	1849.67	OΣ 2	A and B }
					293.6	3.38	...10.5	1847.46	OΣ 4	B and C }
9292	Σ 3111	DM (21°) 3772	19 57	21 36	120.1	2.54	9.0... 9.3	1832.49	Σ 3	
9293	O. Stone 46	....	20 :	-16 11:	195.4	4.84	6.8... 7.3	1880.62	Cin 1	
9294	H 2871	4 <i>Vulpeculae</i>	20 12	19 34	110.4	30±	6 ...12	1830+	H	
9295	Espin —	DM (64°) 1346	20 14	64 19	216.3	4.4	8.8... 9.9	1903	Es	(M. N. LXIV, 238)
9296	β 423	O. Arg. S. 19560	20 18	-29 44	122.3	1.25	7.5... 8.5	1878.63	Cin 2	
9297	H VI. 48	L 36659	20 18	1 33	....	....	....	1781	H	
9298	Σ 2518	L 36696	20 18	14 22	0.7	4.97	8.0...10.9	1829.93	Σ 4	8.0 wh.
9299	....	<i>v Aquilae</i>	20 23	0 6	288.0	200.62	5.0... 9.2	1901.42	β 2	
9300	....	3 <i>Cygni</i>	20 28	24 42	122.8	27.91	6.4...10.8	1866.72	OΣ 1	
9301	OΣ 373	Rad ^r . 4312	20 34	46 12	232.4	1.84	7.3...10.2	1847.39	OΣ 3	
9302	Σ 2526	DM (56°) 2238	20 36	56 47	84.3	17.38	7.2...11.0	1830.85	Σ 2	7.2 yel'sh
9303	H 1394	DM (34°) 3536	20 45	34 57	41.0	10±	10 ...11	1828+	H	
9304	H 1395	DM (36°) 3549	20 52	36 53	65.1	1½	10 = 10	1828+	H	
9305	Σ 2522	<i>Cygni</i> 18	21 1	28 31	339.2	4.39	7.5... 9.0	1830.44	Σ 3	7.5 wh.
9306	H 5119	O. Arg. S. 19581	21 7	-26 15	290.4	3±	9½... 9½	1837.2	H	
9307	Σ 2520	W ^r XIX ^h . 485	21 14	12 38	234.9	2.02	8.8... 9.3	1829.41	Σ 3	White
9308	Σ 2521	P XIX ^h . 128	21 14	19 39	43.6	22.65	5.5...10.3	1829.40	Σ 3	5.5 very golden
9309	Hd Zones	DM (0°) 4209	21 14	0 52	....	....	10-11..	....	Hd	
9310	H 1397	....	21 26	33 24	152.2	3±	12 ...12	1828+	H	
9311	H 1398	....	21 26	33 26	161.0	6±	10-11..12	1828+	H	
9312	H 1396	....	21 29	30 14	89.0	5±	12 ...12	1828+	H	
9313	Schj. 22	<i>Aquilae</i> 106	21 30	-12 23	317.7	1.37	7.9... 8.2	1874.08	Δ 5	= β 142
9314	H 1399	....	21 31	33 25	204.8	14±	10 ...11	1828+	H	
9315	Σ 2523	DM (20°) 4139	21 37	20 55	151.5	6.21	7.3... 7.4	1830.96	Σ 5	Very white
9316	Σ 2519	W ^r XIX ^h . 483	21 39	- 9 47	124.2	11.18	8.0... 8.1	1833.40	Σ 5	Very white
9317	β 1286	W ^r XIX ^h . 629	21 39	35 41	67.4	1.59	9.3...12.5	1899.48	β 3	B and C }
					118.5	5.90	8.6...	1899.48	β 3	A and B }
9318	Σ 2524	W ^r XIX ^h . 623	21 39	25 15	104.6	7.16	8.3... 8.5	1829.76	Σ 3	White
9319	Σ 2525	<i>Cygni</i> 22	21 40	27 5	255.9	1.33	7.4... 7.6	1830.43	Σ 5	Yel'sh
9320	H0 449	DM (27°) 3390	21 41	27 8	183.7	12.54	9.0...12.3	1892.63	Ho 2	
9321	H 5120	O. Arg. S. 19598	21 49	-29 57	171.7	2±	8 ...11	1837.2	H	
9322	H 1400	....	21 49	45 37	203.4	5±	11 = 11	1828+	H	"Isolated among many"
9323	H0 106	W ^r XIX ^h . 494	21 54	- 3 17	214.5	1.08	9 ...11	1883.76	Ho 2	
9324	H0 450	W ^r XIX ^h . 642	21 57	38 34	271.8	0.76	8.0... 8.7	1892.07	Ho 2	A and B }
					73.0	29.58	...12.2	1892.58	Ho 1	AB and C }
9325	H0 451	....	22 1	27 38	301.1	3.65	9.3...11.0	1892.64	Ho 3	
9326	Σ 2528	DM (32°) 3434	22 5	32 6	243.8	14.32	8.0...10.0	1831.72	Σ 2	8.0 yel'sh wh.
9327	A 159	DM (20°) 4146	22 8	20 26	335.0	0.78	8.4...11.7	1900.65	A 3	A and B }
					20.5	4.32	8.2... 9.7	1830.11	Σ 3	AB and C } AC = Σ 2527
9328	H 2874	....	22 14	58 1	169.7	5±	10-11..11	1830+	H	
9329	H 5124	SD (17°) 5644	22 23	-17 57	95.5	4±	10 = 10	1836.5	H	
9330	H N. 119	B. A. C. 6666	22 27	-27 14	141.7	6±	6 ...10	1874.50	β 1	
9331	Espin 81	DM (39°) 3766	22 29	39 54	221.1	9.8	8.2...13.5	1901	Es	(A. N. 3784)
9332	H 1401	....	22 40	47 9	189.4	9±	11 ...11-12	1828+	H	
9333	Espin 82	DM (40°) 3728	22 41	40 5	174.8	2.6	8.9...10.5	1901	Es	(A. N. 3784)
9334	Σ 2529	DM (17°) 3975	22 43	17 24	296.6	6.47	8.1...10.1	1831.23	Σ 4	8.1 yel'sh
9335	H 887	L 36791	22 54	- 7 17	350±	20±	7 ...20	1820+	H	
9336	Hu 75	SD (12°) 5417	22 55	-12 54	202.3	0.49	7.5... 8.0	1899.66	Hu 3	(A. J. 480)
9337	Σ 3132	DM (19°) 4029	22 58	19 58	40.0	7.46	8.8...10.3	1830.27	Σ 3	
9338	H 2872	....	22 59	3 30	163.4	15±	10 ...11	1830+	H	A and B }
					199.5	18±	...13	1830+	H	A and C }
9339	H 2873	DM (7°) 4086	19 22 59	7 55	313.0	4±	10 ...12	1830+	H	A and B } "An ele- gant triple star" (See p. 1081)
					198.3	9±	...12	1830+	H	

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
9340	Hu 340	DM (18°) 4092	19 ^h 23 ^m 2 ^s	18° 14'	124° 8	0.84	9.0... 9.3	1901.53	Hu 3	(<i>Bul. L. O. No. 12</i>)
9341	β 424	W ² XIX ^h . 676	23 5	35 49	38.0	2.76	8.7... 10.1	1877.14	Δ 4	
9342	H IV. 33	....	23 9	0 0	....	21.98	....	1781.54	H 1	
9343	Σ 2530	DM (20°) 4153	23 9	20 5	157.7	5.43	8.6... 9.9	1829.66	Σ 4	
9344	Σ 2534	P XIX ^h . 149	23 22	36 17	62.0	6.75	7.8... 8.0	1830.84	Σ 3	<i>Very wh.</i>
9345	A 593	A. G. Bonn 12998	23 24	42 53	355.6	0.73	9.0... 10.5	1903.93	A 3	(<i>Bul. L. O. No. 50</i>)
9346	H 1402	....	23 26	45 13	90.0	8±	10 ... 11	1828+	H	
9347	Σ 2531	DM (2°) 3899	23 29	2 51	29.8	31.37	7.8... 9.7	1830.40	Σ 3	<i>7.8 wh.</i>
9348	A 594	A. G. Bonn 13003	23 33	42 50	331.3	2.10	9.0... 9.6	1903.43	A 3	(<i>Bul. L. O. No. 50</i>)
9349	OS (App) 182	L 36926	23 37	49 54	307.3	71.79	6.7... 7.7	1874.62	Δ 3	
9350	Σ 42, App. I	6 and 8 <i>Vulpeculae</i>	23 43	24 25	27.7	396.19	4.4... 5.7	1835.90	Σ 5	<i>Very yel.; ashy yel.</i>
9351	A 160	A. G. Berlin 7048	23 45	22 50	52.4	0.47	8.5... 8.6	1900.59	A 3	
9352	Σ 2533	DM (-0°) 3762	23 54	- 0 42	212.2	23.16	7.2... 9.0	1831.95	Σ 3	<i>7.2 very wh.</i>
9353	A. G. 231	A. G. Berlin 7484	23 57	17 43	239.8	4.41	9.2... 9.5	1901.55	Hu 3	
9354	H 2876	....	24 7	22 31	90.0	10±	10 ... 11	1830+	H	
9355	Σ 2532	P XIX ^h . 144	24 9	2 39	5.0	34.90	6.0... 10.2	1829.00	Σ 3	<i>6.0 golden</i>
9356	Hd Zones	DM (0°) 4231	24 11	0 47	....	....	9-10...	....	Hd	
9357	H 888	DM (8°) 4115	24 13	9 2	230±	4±	11 ... 12	1820+	H	
9358	Ho 578	L 36868	24 28	- 6 45	110.6	21.46	7 ... 12	1894.73	Ho 2	
9359	H 2875	SD (21°) 5421	24 26	-21 8	333.0	9±	10 ... 10-11	1830+	H	
9360	H 889	DM (8°) 4116	24 29	9 3	....	....	....	1820+	H	
9361	See 381	O. Arg. S. 19662	24 46	-28 0	13.1	1.55	8.5... 8.7	1897.72	See 1	
9362	Σ 2614	DM (88°) 121	24 50	88 8	253.0	1.26	8.8... 9.5	1833.25	Σ 3	
9363	H 1403	....	24 55	-21 27	332.3	5±	10-11... 13	1828+	H	
9364	Hd 153	....	25 :	-27 4:	....	7±	7.5... 10	1868.61	Hd	
9365	Δ 20	L 36902	25 1	- 2 22	69.5	1.20	... 10.1	1869.74	Δ 6	A and B } AC=
					297.7	27.78	7.0... 10.0	1831.54	Σ 2	AB and C } Σ 2535
9366	A 366	A. G. Albany 6721	25 4	4 14	310.4	0.51	8.2... 10.2	1902.62	A 3	(<i>Bul. L. O. No. 29</i>)
9367	Hn 152	O. Arg. S. 19672	25 4	-17 4	184.9	0.87	8.5... 9.5	1903.52	β 2	
9368	H 1404	DM (45°) 2905	25 14	46 3	129.3	4±	10 ... 11	1828+	H	
9369	H 1408	....	25 24	48 50	252.8	5±	10 ... 11	1828+	H	
9370	H 1405	DM (40°) 3753	25 25	40 37	50.0	10±	10 ... 11	1828+	H	
9371	A 269	A. G. Camb. 10047	25 40	26 59	180.7	0.60	8.8... 9.5	1901.84	A 3	
9372	β 651	DM (27°) 3409	25 44	28 2	291.5	6.36	8.5... 12.5	1878.47	β 1	
9373	H 1406	....	25 46	33 4	314.6	6±	11 = 11	1828+	H	A and B } "C is distant"
					312.2	....	... 13	1828+	H	
9374	Σ 43, App. I	β <i>Cygni</i>	25 53	27 42	55.7	34.29	3.0... 5.3	1832.18	Σ 5	<i>Yel.; blue</i>
9375	H 2878	DM (3°) 4053	25 54	3 30	71.7	18±	9-10... 13	1830+	H	(See p. 1081)
9376	Ho 452	DM (12°) 3945	25 58	12 54	245.4	6.07	8.5... 11.7	1891.63	Ho 2	A and B }
					179.5	19.36	... 12.7	1891.63	Ho 2	A and C }
9377	Lewis 29	....	26 :	17 48:	341.0	11.30	10.5... 11.0	1896.55	L 1	
9378	A 161	A. G. Berlin 7073	26 0	21 46	115.9	0.48	9.0... 9.4	1900.68	A 3	(<i>Bul. L. O. No. 3;</i> <i>A. N. 3741</i>)
9379	H 1407	....	26 0	29 13	276.3	5±	10 ... 11	1828+	H	
9380	H 890	....	26 4	18 25	240±	6±	10 ... 12	1820+	H	
9381	Σ 2536	DM (17°) 3992	26 16	17 32	35.5	1.95	8.0... 11.0	1831.17	Σ 4	<i>8.0 yel.</i>
9382	β 650	L 36958	26 20	6 15	143.7	6.61	8.1... 11.6	1891.49	β 2	A and B }
					332.3	11.61	... 13	1891.49	β 2	A and C }
					254.5	26.63	... 10	1891.49	β 2	A and D }
9383	H 2877	Yar. 8663	26 24	-27 18	76.6	20±	8-9... 9	1830+	H	
9384	β 976	<i>Aquila</i> 122	26 27	9 5	105.0	2.01	7.0... 10.8	1880.59	β 4	
9385	H 2879	....	26 35	-20 30	324.5	10±	10-11... 15	1830+	H	
9386	H 5128	L 36941	26 36	-18 52	112.7	30±	8 ... 10	1836.5	H	A and B }
					125.9	4±	... 10+	1836.5	H	B and C }
9387	β 143	L 37049	26 39	49 15	192.7	2.20	8.0... 9.1	1875.61	Δ 4	
9388	H 1409	DM (30°) 3609	26 47	30 51	358.0	9±	9-10... 10	1828+	H	
9389	H 1411	....	19 26 55	53 49	90.0	15±	9-10... 10-11	1828+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
9390	H 1410	....	19 ^h 27 ^m 0 ^s	40° 35'	219° 5	2" ±	14 ... 15	1828+	H	"Delicate"
9391	β 438	DM (36°) 3588	27 3	36 27	40.9	4.37	7.9...13	1879.46	β 1	A and B
					238.5	21.09	...13	1878.47	β 1	A and E
					245.2	53.04	8.2... 8.3	1830.85	Z 2	A and C
					52.5	6.08	... 8.7	1830.87	Z 3	C and D
					247.4	46.81	....	1862.64	A 1	A and D
9392	A 367	A. G. Lelp. II. 9329	27 4	5 30	336.2	0.53	8.7...10.0	1902.71	A 3	(Bul. L. O. No. 29)
9393	H 2880	O. Arg. S. 19716	27 5	-16 32	149.9	4±	10 = 10	1830+	H	(= Ho 973)
9394	β 652	P XIX ^b . 169	27 16	28 1	328.6	4.33	...13	1878.97	β 2	A and B } ACD = 2538
					5.2	5.36	7.9... 9.7	1830.69	Z 4	A and C }
9395	Σ 2537	W ^r XIX ^b . 643	27 18	- 4 26	130.0	19.11	8.3... 8.7	1829.60	Z 3	Yellish wh.: wh.
9396	A 595	A. G. Bonn 13086	27 25	43 23	78.6	0.80	9.0...10.8	1903.82	A 3	Orange red: dull blue
9397	Ho 107	W ^r XIX ^b . 652	27 26	- 0 32	106.2	6.21	8.0...11.5	1886.79	Ho 2	(Bul. L. O. No. 30)
					185.6	25.98	...11.5	1893.70	Ho 1	A and B }
9398	A 596	A. G. Bonn 13093	27 43	43 42	305.6	1.12	8.0...11.2	1903.43	A 3	A and C }
9399	OΣ 374 rej.	L 37102	27 51	49 57	298.7	18.43	7.2...10.7	1867.13	A 3	(Bul. L. O. No. 30)
9400	See 383	....	28 :	-19 28:	246.2	3.99	9 ...10.2	1897.79	See 1	
9401	Σ 2540	DM (20°) 4179	28 3	20 9	149.7	5.13	7.5... 9.0	1830.77	Z 4	Wh.: bluish
9402	H 2881	....	28 11	-19 10	325.8	5±	10 ...11	1830+	H	
9403	Hu 341	....	28 13	18 25	120.2	2.17	9.3...12.0	1901.60	Hu 3	(Bul. L. O. No. 22)
9404	β 653	μ Aquilae	28 14	7 8	274.9	21.42	4.5...13	1878.62	β 1	A and B }
					285.7	21.18	...13	1878.62	β 2	A and C }
					195.7	5.06	...12.3	1891.43	β 2	B and C }
9405	H 2882	W ^r XIX ^b . 676	28 18	- 1 44	137.0	12±	9-10...11	1830+	H	
9406	See 384	Cord. G. C. 26821	28 26	-23 32	167.0	6.11	7.9...11.5	1897.66	See 1	
9407	H 1415	....	28 33	32 36	16.5	4±	11 ...13	1828+	H	A and B }
					76.5	4±	...14	1828+	H	A and C }
9408	A 585	DM (43°) 3276	28 43	43 43	295.3	1.65	9.0...13.8	1903.50	A 3	(Bul. L. O. No. 30)
9409	Ho 108	L 37108	28 47	33 13	45.9	0.43	8 ... 8	1885.21	Ho 2	
9410	H 1412	....	28 53	-21 6	332.2	6±	10 ...11	1828+	H	
9411	Σ 2542	O. Arg. N. 19365	29 4	52 44	254.1	11.31	8.2... 8.7	1830.85	Z 2	White
9412	Σ 2550	DM (73°) 863	29 5	73 7	248.8	2.01	8.2... 8.2	1832.51	Z 3	White
9413	H 1414	DM (35°) 3680	29 9	35 55	22.8	12±	10 ...11	1828+	H	"Neat." Double in A. G.
9414	H 1413	DM (32°) 3478	29 14	32 34	214.4	6±	10 ...10-11	1828+	H	
9415	OΣ 375	L 37101	29 16	17 52	138.3	0.59	7.2... 8.4	1847.28	OΣ 4	
9416	β 1130	9 Vulpeculae	29 19	19 31	31.3	9.53	5.5...14.0	1889.43	β 3	
9417	β 654	52 Sagittarii	29 24	-25 9	160.8	2.93	5.0...10.8	1878.57	β 3	
9418	A 270	A. G. Camb. 10112	29 26	25 19	112.6	1.18	8.6...12.0	1901.75	A 3	
9419	Ho 274	DM (16°) 3904	29 30	16 11	72.4	4.07	8.3...11.0	1887.68	Ho 1	
9420	A 271	DM (26°) 3590	29 31	26 5	120.2	0.47	9.7... 9.8	1901.65	A 3	
9421	Σ 2546 rej.	DM (66°) 1211	29 32	66 15	....	Cl. IV	8 ...11-12	....	Z	
9422	A 105	SD (3°) 4642	29 36	- 3 19	335.5	2.34	8.5...10.7	1900.48	A 3	A and B }
					215.1	2.13	10.6...11.0	1900.48	A 3	C and D }
					185.3	53.50	....	1900.46	A 1	A and C }
9423	Howe 49	DM (3°) 4079	29 36	3 12	25.9	6.69	8.0... 9.5	1879.54	Cin 1	A and B }
					306.6	32.70	...10.0	1879.54	Cin 1	A and C }
9424	β 53	DM (11°) 3902	29 48	11 11	246.8	1.40	9.5...10.2	1875.07	A 4	
9425	H 891	....	29 50	- 4 55	15±	3±	13 ...14	1820+	H	
9426	A 597	A. G. Bonn 13138	29 52	42 6	154.3	1.14	8.2...10.7	1903.83	A 3	(Bul. L. O. No. 30)
9427	β 655	DM (63°) 1533	29 55	63 3	332.6	1.93	7.7...12.5	1878.48	β 1	A and B }
					291.3	21.12	7.7... 8.9	1832.24	Z 4	A and C }
					278.8	47.48	... 7.7	1832.24	Z 4	A and D }
					89.0	26.88	....	1832.24	Z 4	D and C }
9428	H 1420	....	29 55	56 21	337.9	10±	10 ...11	1828+	H	
9429	See 385	SD (21°) 5451	19 29 56	-21 54	6.9	3.88	7.2...14.9	1897.65	See 1	A and B }
					300.1	27.81	...11	1897.65	See 1	A and C }

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
9430	A 162	A. G. Berlin 7109	19 ^h 29 ^m 56 ^s	23° 13'	144° 6'	0' 21"	8.2... 8.2	1900.66	A 3	
9431	H 1418	....	29 58	49 46	8.1	25±	9-10...10	1828+	H	
9432	Σ 2572 <i>rej.</i>	DM (83°) 552	30 :	83 13	....	CL IV	7 ...10	....	Z	6.0m. In DM
9433	H 1416	....	30 0	31 36	253.5	5±	10 ...11	1828+	H	
9434	Σ 2541	P XIX ^b . 185	30 13	-10 42	340.0	2.84	8.2... 9.8	1831.01	Z 3	8.2 <i>yel.</i>
9435	A. G. 232	A. G. Lund 8528	30 13	35 2	279.6	10.68	8.8... 9.0	1903.61	β 3	
9436	H 1419	....	30 13	47 51	37.6	3±	11 ...12	1828+	H	
9437	A 368	A. G. Camb. 10134	30 16	29 31	158.6	0.49	8.5... 8.8	1902.62	A 3	(<i>Bul. L. O. No. 29</i>)
9438	Espin 129	DM (53°) 2264	30 18	53 38	204.2	2.9	9.2...10.0	1902	Es 1	
9439	Σ 2543	L 37144	30 20	5 45	157.7	12.73	7.0... 9.9	1830.94	Z 5	7.0 <i>yel.</i>
9440	β 1257	L 37156	30 27	10 50	175.5	3.72	6.8...13.2	1891.72	β 3	
9441	H 5133	Corr. DM (27°) 14144	30 35	-27 14	14.6	15±	9 ... 9½	1834.6	H	
9442	OΣ 376	L 37199	30 38	33 56	228.7	2.61	7.1... 9.8	1848.52	OΣ 6	
9443	A 163	A. G. Berlin 7173	30 40	23 0	233.4	0.30	9.3... 9.4	1900.65	A 4	
9444	H V. 104	DM (15°) 3877	30 55	15 37	106.3	....	....	1783.65	H 1	
9445	H 1417	....	30 59	-16 7	....	2±	12 = 12	1828+	H	
9446	A. G. 233	DM (24°) 3798	31 3	24 28	....	....	8.3...	....	....
9447	....	L 37162	31 8	-10 15	286.8	82.01	7.5...	1903.43	β 3	A and B }
					286.0	4.34	10.3...11.1	1903.43	β 3	B and C }
9448	Σ 44, App. I	Rad ^r . 4379	31 17	59 54	287.1	76.61	5.2... 7.2	1834.85	Z 5	Golden: blue
9449	A. G. 234	A. G. Lund 8538	31 18	36 1	329.9	2.58	9.3... 9.4	1902.61	β 3	
9450	Σ 2544	DM (8°) 4163	31 19	8 3	218.4	1.14	7.8... 9.5	1828.99	Z 3	A and B }
					239.2	16.12	... 8.5	1828.99	Z 3	A and C } AC wh.
9451	Σ 2548	W ^r XIX ^b . 943	31 28	24 44	100.8	9.26	8.0... 9.0	1830.73	Z 2	White
9452	A 106	SD (5°) 5029	31 33	- 5 51	204.5	1.21	9.1... 9.2	1900.49	A 3	(<i>A. N. 3668</i>)
9453	H 1422	DM (54°) 2180	31 36	54 47	283.8	14±	10 ...11	1828+	H	
9454	Hu 342	DM (17°) 4029	31 44	17 7	255.1	4.69	9.0... 9.8	1901.60	Hu 3	(<i>Bul. L. O. No. 22</i>)
9455	β 761	Lac. 8174	31 45	-39 42	198.2	2.45	7.7...10.2	1889.42	β 3	
9456	Σ 2553	DM (61°) 1877	31 49	61 47	80.2	1.06	8.4... 9.2	1832.66	Z 5	
9457	H 892	SD (8°) 5055	31 50	- 8 35	45±	15±	10 ...12	1820+	H	Ruddy: purple
9458	H VI. 26	<i>ε Sagittae</i>	31 51	16 12	81.5	91.87	....	1782.30	H 1	
9459	OΣ 377	DM (35°) 3703	31 53	35 23	51.2	0.88	8.4... 8.5	1842.68	OΣ 2	A and B }
					154.4	25.32	... 9.2	1849.70	OΣ 3	AB and C }
9460	Hu 679	DM (50°) 2819	31 54	50 22	262.1	0.33	8.2... 9.0	1904.37	Hu 3	(<i>Bul. L. O. No. 57</i>)
9461	OΣ (App) 187	Rad ^r . 4382	31 55	46 10	287.0	63.42	7.2... 7.7	1875.04	A 2	A and B }
					255.1	129.29	... 7.6	1875.04	A 2	A and C }
					50.9	82.53	....	1875.04	A 2	B and C }
9462	H 1421	DM (35°) 3704	31 58	35 20	229.0	12±	10 ...11	1828+	H	
9463	Σ 2554	O. Arg. W. 19437	32 5	60 1	197.3	18.81	7.9... 8.4	1832.88	Z 5	White
9464	Σ 2545	L 37207	32 8	-10 26	315.2	3.53	6.2... 8.1	1829.11	Z 5	Wh.: blue
9465	A 369	A. G. Liden 7499	32 9	30 3	4.9	4.09	7.8...14.3	1902.70	A 3	(<i>Bul. L. O. No. 29</i>)
9466	β 249	L 37227	32 13	0 4	141.7	1.29	7.2... 9.3	1875.56	A 5	
9467	Σ 2551	DM (22°) 3746	32 16	22 33	41.6	6.76	9.0... 9.5	1829.74	Z 3	
9468	S 722	L 37205	32 18	-17 11	237.3	10.67	8 ... 8½	1825.54	S 2	
9469	Σ 2547	L 37218	32 21	-10 37	332.3	20.70	7.7... 9.0	1830.02	Z 3	White
9470	H 1423	<i>γ Cygni</i>	32 22	29 5	136.3	12±	7 ...15	1828+	H	
9471	A 107	SD (3°) 4665	32 30	- 3 50	261.1	0.28	9.0... 9.2	1900.53	A 3	
9472	A 598	A. G. Bonn 13188	32 30	41 8	202.8	1.09	9.2... 9.6	1903.80	A 3	(<i>Bul. L. O. No. 50</i>)
9473	OΣ 378	L 37297	32 30	40 44	283.8	1.29	7.2... 9.0	1846.05	OΣ 3	
9474	Σ 2552	W ^r XIX ^b . 989	32 37	19 5	196.0	5.18	8.2... 9.0	1828.99	Z 3	Very wh.
9475	See 389	53 <i>Sagittarii</i>	32 37	-23 42	331.9	0.16±	7 ... 7.5	1897.73	See 3	
9476	A 370	A. G. Liden 7503	32 39	30 9	268.1	4.77	8.0...14.5	1902.62	A 3	
9477	H 1424	....	32 43	32 37	206.2	4±	11 ...11	1828+	H	
9478	A 164	A. G. Berlin 7159	32 45	22 33	210.2	0.38	7.5... 9.0	1900.64	A 3	
9479	H 2824	SD (18°) 5445	32 47	-18 44	118.8	15±	10 = 10	1830+	H	
9480	See 390	O. Arg. S. 19835	19 32 47	-21 16	83.7	15.30	7 ...13.7	1897.75	See 1	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
9481	β 144	DM (30°) 3664	19 ^h 33 ^m 3 ^s	30° 5'	351° 0	6.34	8.9... 8.9	1875.37	Δ 4	
9482	H 1425	....	33 6	32 38	239.5	5 \pm	10 ... 11	1828+	H	
9483	Ho 109	O. Arg. S. 19844	33 6	-15 7	115.0	10.92	7.0... 13	1883.66	Ho 2	
9484	H V. 51	....	33 6:	16 48:	....	32.80	....	1781.78	H 2	Red: blue
9485	β 1131	θ Cygni	33 13	49 56	43.9	3.62	5.0... 14.3	1889.37	β 3	A and B }
					186.1	29.90	... 11.0	1852.69	OZ 1	A and C }
9486	H 2886	σ Aquilae	33 15	5 7	329.5	40 \pm	5-6... 12	1830+	H	
9487	Σ 2555	DM (53°) 2270	33 19	53 6	279.6	1.76	8.5... 9.1	1833.24	Σ 4	White
9488	H 2885	Cond. DM (29°) 16424	33 26	-29 40	208.0	20 \pm	9-10... 10	1830+	H	
9489	OZ 379 rej.	L 37335	33 30	33 37	87.6	24.60	7.2... 8.5	1866.91	Δ 3	7.2 yel.
9490	A 165	A. G. Berlin 7166	33 31	22 46	135.6	5.23	7.5... 14.5	1900.69	A 3	
9491	Ho 110	DM (18°) 4174	33 35	18 25	76.8	2.04	9.5... 9.5	1886.22	Ho 2	
9492	H 1426	....	33 39	40 54	100.0	4 \pm	12 ... 13	1828+	H	
9493	H 893	DM (9°) 4197	33 46	9 56	195 \pm	8 \pm	10 ... 10	1820+	H	
9494	H 2889	DM (59°) 2075	33 45	59 32	166.4	6 \pm	10 ... 11	1830+	H	
9495	H 1427	....	33 51	46 2	283.4	5 \pm	11 ... 11	1828+	H	
9496	H 599	54 Sagittarii	33 52	-16 34	285 \pm	20 \pm	5-6... 14	1830+	H	A and B }
					41.3	35 \pm	... 10	1830+	H	A and C }
9497	Hd 154	....	34 \pm	-15 \pm	133.1	11.82	10 ... 10	1868.67	Hd 1	
9498	H N. 84	W ^a XIX ^b . 1038	34 0	16 18	301.8	27.20	....	1796.59	H 1	
9499	β 1287	....	34 5	-16 36	144.0	1.07	10 ... 10	1899.44	β 1	
9500	Σ 2556	DM (21°) 3862	34 17	21 59	188.4	0.56	7.3... 7.8	1829.83	Σ 3	White
9501	β 977	L 37329	34 19	4 4	58.9	3.78	8.3... 12.3	1880.70	β 3	
9502	See 391	Cond. DM (30°) 17293	34 25	-30 31	36.2	6.36	8.8... 10.4	1896.76	See 2	
9503	H 894	DM (19°) 4110	34 32	19 28	113.5	7 \pm	10 ... 11	1820+	H	
9504	H 2888	45 Aquilae	34 33	-0 54	354.5	30 \pm	7 ... 19	1830+	H	
9505	H 2887	SD (13°) 5443	34 34	-13 42	236.4	8 \pm	10 ... 11	1830+	H	
9506	H 1428	P XIX ^b . 233	34 37	49 0	277.3	15 \pm	7-8... 13	1828+	H	A and B }
					270.0	40 \pm	... 12	1828+	H	A and C }
					275 \pm	6 \pm	... 15	1828+	H	C and D }
9507	Σ 2557	W ^a XIX ^b . 1088	34 49	29 28	104.7	11.42	7.3... 9.8	1831.78	Σ 3	A and B } (ACm
					303.4	20.95	... 11.0	1878.47	β 1	A and C } β 50)
9508	O. Stone 47	....	35 \pm	37 55:	224.1	5.06	9.5... 11.0	1879.61	Cin 1	
9509	Σ 2571	O. Arg. N. 19532	35 4	78 0	23.2	11.33	7.3... 8.0	1832.34	Σ 3	Very wk.
9510	A 166	A. G. Berlin 7183	35 5	23 14	235.4	0.67	9.0... 9.1	1900.63	A 3	
9511	A 272	A. G. Camb. 10251	35 12	25 55	195.6	0.88	9.0... 10.2	1901.56	A 3	A and B }
					307.2	14.44	....	1901.49	A 2	A and C }
					8.6	0.98	9.0... 14.0	1901.59	A 2	C and D }
9512	Ho 111	L 37409	35 14	33 42	0.8	0.77	6.5... 11	1885.19	Ho 2	
9513	H 1429	....	35 25	55 58	242.8	4 \pm	11 ... 11+	1828+	H	
9514	Σ 2558 rej.	DM (10°) 4020	35 26	10 24	....	CL IV	8 ... 10	....	Σ	
9515	H 600	....	35 30:	2 38:	340\pm	....	10 ... 11	1820+	H	
9516	Σ 2560 rej.	Vulpeculae 40	35 34	23 26	295.0	15.30	7.2... 9.5	1901.68	β 2	L 37406
9517	Espin —	DM (64°) 1364	35 34	64 47	19.3	8.9	8.5... 10.5	1903	Es	(M. N. LXIV, 238)
9518	Ku 2	Groom. 2917	35 38	71 20	271.1	1.44	7.2... 9.2	1889.27	β 3	(See p. 1081)
9519	β 1288	55 Sagittarii	35 39	-16 24	....	0.2 \pm	5.5... 5.5	1889.43	β	
9520	β 656	L 37475	35 48	51 33	257.6	0.50	8.0... 9.2	1878.17	β 3	
9521	Σ 2564	DM (63°) 1542	35 49	63 33	184.0	10.78	8.5... 10.2	1832.28	Σ 2	8.5 wk.
9522	Σ 2561 rej.	L 37430	35 57	26 51	319.3	14 \pm	8 ... 11	1828+	H	
9523	Ho 112	DM (18°) 4197	36 9	18 21	80.8	2.64	9 ... 9	1885.61	Ho 1	
9524	β 145	L 37464	36 31	30 26	268.2	0.87	6.8... 9.5	1875.13	Δ 4	A and B }
					32.6	8.51	... 13.0	1878.43	β 1	AB and C }
					157.3	26.67	... 10.8	1878.43	β 1	AB and D }
9525	Σ 45, App. I	Aquilae 151	36 33	-8 35	146.7	96.52	6.5... 6.9	1835.31	Σ 6	White
9526	H 1431	DM (41°) 3445	36 36	41 12	340.6	....	10 ... 10	1828+	H	
9527	Howe 50	Schj. 7549	19 36 2 ^a	4 40	....	....	8.5... 9.0	1879.63	Cin 2	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
9528	H 895	DM (0°) 4283	19 ^h 36 ^m 46 ^s	0° 58'	220° ±	7' ±	9 ... 15	1820+	H	A and B } A and C }
					15 ±	18 ±	... 10	1820+	H	
9529	H 1430	....	36 49	32 56	157.2	12 ±	10 ... 11	1828+	H	
9530	A 167	A. G. Bertha 7214	36 50	22 0	78.5	2.90	8.9...13.2	1900.55	A 2	
9531	OΣ 380	χ <i>Aquilae</i>	36 55	11 33	74.8	0.62	6.0... 7.2	1850.72	OΣ 8	Yel.: yel'ish
9532	See 393	O. Arg. S. 19901	36 57	-27 53	211.2	0.2 ±	8 ... 8	1897.72	See 1	
9533	Σ 2562	P XIX ^h . 241	36 58	8 6	252.6	27.21	6.5... 8.2	1829.33	Z 3	Yel'ish wh.: ashy
9534	H 2891	....	36 59	19 20	63.6	8 ±	10-11...11-12	1830+	H	
9535	OΣ 382	L 37472	37 0	27 6	353.7	0.48	7.1... 7.6	1849.84	OΣ 5	
9536	A 371	A. G. Lelden 7577	37 2	30 46	35.4	2.14	8.9...11.0	1902.60	A 3	(Bul. L. O. No. 29)
9537	Ho 579	L 37426	37 2	- 9 21	308.3	2.36	8.5... 9.5	1895.23	Ho 2	A and B } (A. N. 3557) A and C }
					155.7	61.45	... 9.0	1895.73	Ho 1	
9538	Σ 2563	DM (17°) 4055	37 5	17 9	284.5	6.00	8.3... 9.5	1830.38	Z 3	8.3 wh.
9539	H 2892	DM (0°) 4290	37 23	0 24	92.0	12 ±	9 ... 12	1830+	H	8.1 m. in DM (See p. 1081)
9540	OΣ 381 rej.	L 37463	37 23	3 53	7.5	15.79	7 ... 11	1843.54	Ma 1	
9541	Hu 343	DM (16°) 3976	37 26	16 54	26.4	0.22	9.1... 9.5	1901.61	Hu 4	(Bul. L. O. No. 12)
9542	Hu 680	DM (35°) 3753	37 33	35 24	146.0	0.49	8.8...10.0	1903.21	Hu 3	(Bul. L. O. No. 57)
9543	Ho 113	SD (16°) 5426	37 44	-16 24	14.4	3.67	9.5...11.0	1884.70	Ho 2	
9544	H 2890	SD (20°) 5686	37 44	-20 42	281.3	14 ±	10 ... 10+	1830+	H	} "Triple"
					257.0	18 ±	... 13	1830+	H	
9545	Σ 2575	DM (74°) 832	37 44	74 45	35.1	7.16	8.6...11.7	1832.74	Z	8.6 wh.
9546	Espin —	DM (64°) 1369	37 46	64 39	313.7	2.7	8.8... 9.4	1903	Es	(M. N. LXIV, 238)
9547	Collins	SD (11°) 5105	37 46	-11 19	251.8	1.34	8.5... 9.5	1891.72	C 2	
9548	Weisse 34	W ^h XIX ^h . 944	37 56	4 28	....	....	8-9...	....	....
9549	Lewis 30	....	38 :	26 39:	346.0	3.27	9.0... 9.5	1899.58	L 1	(M. N. LX, 512)
9550	A 273	A. G. Camb. 10310	38 0	27 46	156.8	1.49	8.6...11.2	1901.80	A 3	(Bul. L. O. No. 16; A. N. 3784)
9551	β 827	L 37470	38 7	-11 29	268.0	0.87	8.3... 9.1	1881.62	β 3	
9552	β 1132	W ^h XIX ^h . 1204	38 11	26 39	227.3	0.49	8.3... 8.7	1889.56	β 3	
9553	A 372	A. G. Camb. 10318	38 15	28 37	118.0	0.30	8.8... 9.7	1902.62	A 2	(Bul. L. O. No. 29)
9554	Σ 2573	O. Arg. W. 19554	38 20	60 14	29.7	18.07	6.2... 8.5	1832.12	Z 4	Wh.: blue
9555	H 1432	....	38 25	15 11	314.8	10 ±	8-9...10-11	1828+	H	Nothing here in DM
9556	Σ 2567	P XIX ^h . 250	38 29	12 5	315.7	18.07	7.7... 9.5	1829.63	Z 3	7.7 very wh.
9557	Σ 2566 rej.	<i>Aquilae</i> 159	38 35	4 41	236.1	30 ±	7-8...10	1830+	H	
9558	Σ 2565	SD (13°) 5462	38 35	-13 31	34.1	5.35	8.8... 8.8	1830.77	Z 3	White
9559	OΣ (App) 188	W ^h XIX ^h . 1223	38 36	37 24	121.7	58.76	7.0... 7.5	1875.36	A 3	
9560	Σ 46, App. I	16 <i>Cygni</i>	38 38	50 15	136.2	37.31	5.1... 5.3	1832.59	Z 5	Yel'ish wh.
9561	H 5144	Cord. DM (25°) 14320	38 39	-25 49	13.2	8 ±	9 ... 10	1834.6	H	
9562	β 657	W ^h XIX ^h . 1209	38 40	22 21	140.1	0.93	9.2...10.0	1877.74	A 2	
9563	H 896	....	38 41	- 1 8	155 ±	7 ±	11-12...14	1820+	H	
9564	A. G. 235	A. G. Lelden 7599	38 45	31 41	168.6	11.40	8.2... 9.2	1903.50	β 2	
9565	OΣ 383	Rad ⁱ . 4427	38 52	40 26	27.4	0.91	7.0... 8.5	1845.07	OΣ 3	Wh.: reddish
9566	H 1433	....	38 58	32 8	302.5	12 ±	10 ... 11	1828+	H	
9567	Bryant	....	39 :	26 51:	349.4	0.33	....	1900.62	Bry 1	(M. N. LXI, 486)
9568	A. G. 236	A. G. Lelden 7605	39 0	34 33	158.4	4.55	9.5... 9.7	1903.50	β 2	
9569	β 658	B. A. O. 6762	39 1	26 51	295.2	0.57	6.5...10.0	1878.53	β 1	
9570	Σ 2574	DM (62°) 1747	39 5	62 23	129.4	0.96	8.0... 8.0	1832.23	Z 3	Yel'ish
9571	See 394	Cord. G. O. 27069	39 9	-25 10	293.6	0.37	7.9... 8.4	1897.73	See 2	
9572	H 2894	DM (19°) 4134	39 14	19 14	320.3	8 ±	9-10...11-12	1830+	H	
9573	H 2893	Cord. DM (27°) 14260	39 15	-27 57	47.4	5 ±	9 ... 10	1830+	H	
9574	A. G. Clark 10	P XIX ^h . 257	39 15	10 29	145.5	0.29	7.5... 7.5	1878.35	β 3	A and B } AC= AB and C } Σ 2570
					276.2	4.09	7.3... 9.5	1827.02	Z 3	
9575	A 373	A. G. Albany 6829	39 16	4 43	83.1	4.06	8.7...14.0	1902.77	A 2	(Bul. L. O. No. 29)
9576	Ho 453	L 37584	39 20	33 53	49.2	15.52	6.5...13	1892.58	Ho 1	A and B }
					134.3	33.56	... 12	1892.58	Ho 1	A and C }
9577	Σ 2569	DM (16°) 3986	39 22	16 32	2.3	2.35	8.0... 8.5	1830.45	Z 3	White
9578	Hu 76	SD (11°) 5114	19 39 22	-11 8	262.1	0.74	9.0...10.5	1899.60	Hu 1	(A. J. 480)

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
9579	H 1434	....	19 ^h 39 ^m 24 ^s	29° 58'	291° 0	3' ±	11 ... 12	1828+	H	
9580	β 467	O. Arg. S. 19936	39 24	-21 49	135.0	2.61	7.7...10.0	1879.61	Cin 2	
9581	A 599	A. G. Bonn 13319	39 27	41 12	203.1	0.53	8.9... 9.5	1903.75	A 3	A and B
					101.3	2.50	14.0...14.5	1903.71	A 1	C and D
					47.	44.	....	1903.	A	AB and C
9582	OZ 384	P XIX ^b . 263	39 32	38 2	195.9	0.99	7.0... 7.3	1851.67	OZ 4	
9583	H 2895	DM (3°) 4136	39 42	3 24	307.4	12 ±	10 ... 10-11	1830+	H	A and B
					13.5	40 ±	... 13	1830+	H	A and C
9584	OZ (App) 190	L 37628	39 50	46 57	300.2	11.64	... 12.5	1878.40	β 1	A and B
					316.5	67.66	7.3... 9.0	1875.66	Δ 3	A and C
9585	β 468	L 37571	39 58	3 57	182.4	9.55	7.0... 11.3	1876.97	Δ 3	
9586	Σ 2577	DM (20°) 4258	39 58	20 37	263.4	5.64	8.1... 9.5	1832.51	Z 4	Yel'ish: blue
9587	Howe 51	....	40 :	4 32:	198.6	18.25	8.3... 11.7	1879.55	Cin 2	
9588	O. Stone 48	....	40 :	-22 7:	315.9	2.91	7.8... 11.0	1879.47	Cin 1	
9589	H 2896	DM (56°) 2288	40 5	56 39	20.2	18 ±	9 ... 10-11	1830+	H	
9590	β 146	L 37544	40 6	-20 10	301.8	0.91	8.3... 9.0	1879.57	β 1	
9591	H N. 113	....	40 12:	37 15:	....	Cl. II	....	1795.	H	
9592	O. Stone 49	O. Arg. S. 19956	40 23	-22 7	8.3	1.65	8.0... 8.7	1879.61	Cin 2	
9593	β 1301	L 37588	40 25	4 0	66.7	56.80	8.5...	1900.58	β 3	A and BC
					337.2	0.65	9.5... 9.5	1900.66	β 3	B and C
9594	β 55	....	40 30	10 16	28.3	3.69	9.6... 9.7	1891.73	β 2	A and B
					260.6	33.26	... 9.6	1898.57	β 1	A and C
9595	A. G. 237	A. G. Leliden 7623	40 37	30 31	145.0	2.19	8.6... 9.2	1903.50	β 2	
9596	A 108	SD (8°) 5103	40 38	- 8 27	183.0	0.27	8.1... 8.5	1900.56	A 3	
9597	H 5147	....	40 46	-30 19	81.3	4 ±	10 ... 12	1834.6	H	
9598	A 374	A. G. Albany 6845	40 48	4 53	11.0	3.00	9.0... 13.8	1902.77	A 2	(Bul. L. O. No. 99)
9599	Hu 344	DM (18°) 4232	40 54	18 4	329.7	0.29	8.9... 10.5	1901.56	Hu 3	(Bul. L. O. No. 10)
9600	H 897	DM (8°) 4212	40 58	8 28	295 ±	8 ±	11 ... 11	1820+	H	
9601	Da 13	L 37672	40 58	44 38	266.2	2.32	7½... 11½	1859.85	Da 1	
9602	Σ 2576	L 37647	41 0	33 20	318.8	3.60	7.8... 7.8	1831.80	Z 3	Yel.
9603	See 395	O. Arg. S. 19960	41 1	-26 57	106.1	2.01	8.5... 8.7	1897.72	See 1	
9604	β 828	DM (5°) 4290	41 3	5 52	10.1	2.87	8.3... 10.2	1881.64	β 3	
9605	Σ 2579	δ Cygni	41 13	44 50	37.9	1.78	3.0... 7.9	1830.21	Z 6	Greenish: ash
9606	A 274	A. G. Camb. 10385	41 14	27 32	62.1	3.76	9.0... 13.0	1901.81	A 2	
9607	Σ 2578	P XIX ^b . 276	41 15	35 48	126.8	14.79	6.6... 7.4	1831.04	Z 4	Very wh.
9608	H 1435	....	41 21	12 14	293.0	8 ±	11 ... 11-12	1828+	H	
9609	H V. 137	B. A. C. 6777	41 22	34 43	32.9	35.02	....	1783.80	H 1	
9610	Hu 345	DM (17°) 4084	41 22	17 16	104.1	3.87	9.0... 9.8	1901.54	Hu 3	(Bul. L. O. No. 10)
9611	H 1437	DM (41°) 3476	41 28	41 10	247.2	7 ±	9 ... 14	1828+	H	
9612	H 1436	DM (14°) 4036	41 34	14 51	303.5	6 ±	9-10... 10-11	1828+	H	
9613	OZ 385	L 37694	41 42	40 16	55.0	1.31	7.5... 9.8	1845.07	OZ 3	Wh.: blue
9614	H 1438	DM (55°) 2256	41 44	55 29	86.5	12 ±	9 ... 12	1828+	H	
9615	A 600	A. G. Bonn 13365	41 46	43 12	359.4	0.30	8.9... 9.4	1903.64	A 3	(Bul. L. O. No. 99)
9616	A 601	DM (41°) 3480	41 48	41 28	156.0	1.17	9.0... 10.0	1903.76	A 2	A and B (Bul. L. O. No. 99)
					5.1	5.50	... 10.0	1903.76	A 2	A and C
9617	Σ 2580	χ Cygni	41 52	33 27	73.3	25.75	5.1... 8.1	1832.70	Z 7	Very yel.: bluish
9618	H 898	....	41 55	31 24	225 ±	2 ±	11 ... 11	1820+	H	A and B
					225 ±	6 ±	... 11	1820+	H	A and C
9619	Ho 114	DM (32°) 3558	41 59	32 36	238.6	3.12	6.5... 13	1886.25	Ho 1	A and B
					215.4	9.72	... 14	1901.53	β 1	A and C
					206.5	33.44	... 9	1825.56	S 2	A and D
9620	H 2897	....	42 10	5 5	323.5	4 ±	13 ... 14	1830+	H	
9621	Hu 346	DM (16°) 4019	42 11	16 49	182.8	0.57	8.8... 9.5	1901.57	Hu 3	(Bul. L. O. No. 10)
9622	Hu 681	DM (35°) 3799	42 14	35 34	198.3	1.78	8.5... 15.0	1903.21	Hu 3	(Bul. L. O. No. 99)
9623	β 147	DM (31°) 3770	42 16	31 48	298.8	8.66	8.7... 10.6	1875.37	Δ 4	
9624	Hu 347	DM (18°) 4242	19 42 17	18 59	340.6	1.06	8.5... 11.5	1901.56	Hu 4	(Bul. L. O. No. 10)

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
9625	Espin 83	DM (44°) 3241	19 ^h 42 ^m 21 ^s	44° 40'	214° 7'	7.7	9.3... 9.5	1901	Es	(A. N. 3784)
9626	H 1439	O. Arg. N. 19615	42 23	55 33	195.0	30±	8 ... 11	1828+	H	Yellow; bluish
9627	Hu 758	DM (33°) 3594	42 29	33 3	147.9	0.99	9.0... 9.0	1904.35	Hu 1	
9628	See 396	O. Arg. S. 19987	42 44	-24 1	271.2	6.97	8 ... 11.3	1897.66	See 2	
9629	Hu 348	DM (16°) 4007	42 48	16 53	114.0	1.36	9.0... 12.8	1901.57	Hu 3	(Bul. L. O. No. 12)
9630	Da 10	DM (23°) 3777	42 49	23 56	314.3	0.5±	8.0... 9.0	1859.64	Da 2	
9631	A 602	A. G. Bonn 13388	42 52	42 29	358.0	1.09	8.7... 11.0	1903.71	A 3	A and B
					19.4	9.82	... 13.8	1903.67	A 2	A and C
					104.9	2.22	13.0... 14.0	1903.71	A 2	D and E
					79.6	37.79	....	1903.67	A 1	A and D
9632	Doo 11	DM (24°) 3886	43 0	24 29	279.8	2.64	9.0... 10.0	1900.69	Doo 2	(Pub. Flower Obsv. I)
9633	β 829	DM (5°) 4299	43 2	5 27	312.0	0.72	8.4... 8.8	1881.65	β 3	
9634	Σ 2583	π Aquilae	43 3	11 31	120.7	1.50	6.0... 6.8	1829.96	Σ 6	Yel'sh
9635	Σ 2592	DM (76°) 751	43 6	76 16	304.6	1.39	8.0... 9.9	1832.70	Σ 4	8.0 wh.
9636	Σ 2581 rej.	P XIX ^b . 1058	43 8	-11 42	....	CL IV	7-8... 9	....	Σ	
9637	Σ 2584	DM (21°) 3921	43 12	21 54	299.2	1.95	8.5... 8.5	1830.12	Σ 3	White
9638	H 601	DM (38°) 3758	43 12	38 7	220±	....	7 ... 12-15	1820+	H	
9639	H 2899	Cord. DM (24°) 15620	43 23	-24 45	318.9	7±	9-10... 10	1830+	H	H (VIII) 312 ²⁸ (1834.6)
9640	Σ 2582	SD (4°) 4938	43 30	-4 13	264.8	2.35	7.6... 9.2	1829.94	Σ 4	7.6 yel'sh
9641	Σ 2586	W ^a XIX ^b . 1377	43 32	24 40	227.4	3.61	7.3... 10.2	1830.15	Σ 3	7.3 wh.
9642	H 2900	SD (19°) 5622	43 34	-19 34	48.6	10±	10 ... 12	1830+	H	
9643	A.G.Clark 11	ζ Sagittae	43 39	18 51	157.6	0.29	5.5... 6.5	1878.11	β 5	A and B
					312.8	8.49	5.7... 8.7	1831.10	Σ 6	AB and C
9644	OE 386	L 37776	43 56	36 52	77.5	0.97	7.7... 8.0	1846.63	OE 3	AB greenish wh.; C blue (AC = 2585)
9645	H 2901	Cord. DM (27°) 14323	43 56	-27 28	157.9	7±	8 ... 10-11	1830+	H	
9646	Hu 77	SD (11°) 5147	43 59	-11 6	317.0	0.46	9.0... 11.5	1899.60	Hu 1	A and B
					319.7	30.80	10½... 10½	1845.8	J	AB and C
9647	Hu 682	DM (34°) 3725	44 2	34 32	107.9	0.49	9.0... 11.5	1903.21	Hu 3	
9648	H 2985	λ Ursae Minoris	44 10	88 57	289.4	60±	5-6... 13	1830+	H	Ruddy. (See p. 1081)
9649	Ho 275	51 Aquilae	44 11	-11 4	116.9	19.03	5 ... 13	1887.68	Ho 1	
9650	OE 387	L 37785	44 15	35 0	129.4	0.50	7.2... 8.2	1844.18	OE 2	
9651	Hu 683	DM (48°) 2952	44 25	48 40	269.5	1.34	9.0... 13.0	1904.38	Hu 2	(Bul. L. O. No. 57)
9652	A. G. 238	DM (6°) 4327	44 25	6 55	284.6	6.16	9.4... 10.0	1894.81	Lp	
9653	A 375	A. G. Leiden 7682	44 26	31 53	168.3	1.06	9.5... 9.6	1902.68	A 4	(Bul. L. O. No. 29)
9654	Hu 349	DM (16°) 4023	44 34	16 44	237.1	2.40	8.4... 12.8	1901.55	Hu 3	(Bul. L. O. No. 12)
9655	H IV. 99	DM (17°) 4110	44 37	17 39	90.0	21.37	....	1783.65	H 1	B and C
					259.4	CL IV	....	1783.65	H 1	A and B
9656	A. G. 239	DM (51°) 2683	44 44	51 36	258.4	13.47	8.4... 9.3	1903.00	Es	3
9657	Σ 10, App. II	α Aquilae	44 55	8 33	322.1	152.37	1.5... 10.2	1836.29	Σ 6	1.5 yel'sh wh.
9658	A 43	SD (4°) 4952	45 3	-4 54	281.7	1.64	9.5... 11.3	1899.78	A 2	(A. N. 3635)
9659	β 361	W ^a XIX ^b . 1429	45 7	22 22	350.0	3.49	9.2... 9.9	1875.89	Δ 4	
9660	A 718	W ^a XIX ^b . 1450	45 11	44 5	52.1	0.28	8.0... 8.5	1904.45	A 2	B and C
					160.5	9.59	7.9... 8.3	1833.22	Σ 5	A and BC
9661	Espin 84	DM (38°) 3772	45 13	38 25	156.3	11.4	6.5... 11.6	1901	Es	
9662	H 1441	DM (30°) 3767	45 26	30 9	42.2	5±	10 ... 15	1828+	H	A and B
					190±	10±	... 11	1828+	H	A and C
9663	β 148	L 37779	45 27	-10 40	333.2	0.91	7.9... 8.3	1875.26	Δ 4	A and B
					64.7	26.32	... 13.5	1891.63	β 2	AB and C
9664	Σ 2587	Aquilae 180	45 28	3 47	98.6	4.08	6.5... 9.2	1828.08	Σ 3	6.5 golden
9665	H 2903	DM (39°) 3925	45 28	39 21	159.1	8±	9 ... 13	1830+	H	
9666	H 1440	....	45 42	14 13	51.0	12±	10-11... 11	1828+	H	
9667	H 1442	DM (14°) 4071	45 46	14 12	275.2	5±	10 ... 11	1828+	H	
9668	Espin 130	DM (60°) 2017	45 48	60 51	237.7	2.9	9.5... 9.7	1902	Es	(M. N. LXIII, 172)
9669	A 376	A. G. Leip. II. 9605	45 52	7 20	127.6	1.78	9.0... 10.0	1902.78	A 2	(Bul. L. O. No. 29)
9670	H 5152	O. Arg. S. 20036	45 54	-30 34	151.5	3±	9 ... 10	1834.6	H	
9671	H 2902	....	19 46 1	-21 45	214.3	15±	10 = 10	1830+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
9672	H 2905	DM (60°) 2019	19 ^h 46 ^m 6 ^s	60° 55'	205° 0	8" ±	10 ... 11	1830+	H	
9673	H 1444	....	46 10	41 8	288.0	3 ±	13 ... 14	1828+	H	
9674	Espin —	DM (64°) 1386	46 15	64 23	70.7	6.5	8.0...10.5	1903	Es	
9675	Espin 23	DM (44°) 3265	46 15	44 51	138.6	7.57	8.1...12.2	1892.82	Es 4	A and B }
					327.5	31.41	... 9.2	1892.82	Es 3	A and C }
9676	Hu 350	DM (19°) 4183	46 18	19 50	46.2	3.40	8.9... 9.3	1901.55	Hu 3	(Bul. L. O. No. 12)
9677	H 603	19 Cygni	46 19	38 25	95 ±	40 ±	7 ... 12	1820+	H	A and B }
					10 ±	10 ±	... 18	1820+	H	B and C }
9678	β 978	W ² XIX ^h . 1470	46 22	23 13	234.2	0.94	8.3... 8.4	1880.48	β 3	
9679	Σ 2589	DM (0°) 4338	46 25	0 20	297.6	5.01	8.0... 8.4	1830.88	Σ 6	Very wh.
9680	H 899	....	46 26	- 3 7	225 ±	8 ±	11 ... 12	1820+	H	
9681	H 1443	DM (24°) 3911	46 28	25 3	195.0	15 ±	10 ... 10+	1828+	H	
9682	Σ 2590	P XIX ^h . 307	46 32	10 3	309.2	13.51	7.1...10.0	1830.53	Σ 4	7.1 very wh.
9683	A. G. 240	DM (47°) 2933	46 35	47 30	256.7	14.57	8.9... 9	1900.76	Es 3	
9684	H 2906	DM (58°) 1989	46 47	58 58	61.2	20 ±	9-10...10	1830+	H	8.9 m. in DM
9685	Hu 351	DM (19°) 4187	46 55	19 33	153.0	2.00	8.0...12.2	1901.55	Hu 3	(Bul. L. O. No. 12)
9686	β 979	W ² XIX ^h . 1496	46 57	22 58	338.7	2.24	8.3...11.1	1880.49	β 3	
9687	Hu 267	SD (17°) 5785	46 57	-16 57	350.3	1.76	8.3...14.4	1900.52	Hu 4	(A. J. 494)
9688	Σ 2591	SD (6°) 5294	46 57	- 6 19	108.5	29.18	7.5... 8.5	1827.73	Σ 2	Yel' sh wh.; wh.
9689	OΣ 389	L 37878	46 58	30 50	183.0	12.80	6.9... 8.8	1849.69	OΣ 4	
9690	H 2904	B. A. C. 6814	47 8	-24 14	173.5	20 ±	6 ... 10	1831.00	H	Yellow: bluish
9691	H 1447	DM (33°) 3625	47 9	33 46	337.0	12 ±	9 ... 13	1828+	H	A and B } 8.1 m. in DM
					90.0	12 ±	... 15	1828+	H	A and C }
9692	Hu 684	DM (48°) 2966	47 16	48 33	174.7	0.93	8.6... 8.6	1904.38	Hu 2	(Bul. L. O. No. 57)
9693	OΣ 388	DM (25°) 4004	47 19	25 33	140.5	3.70	7.6... 7.6	1848.51	OΣ 5	A and B }
					139.1	26.61	... 8.8	1850.04	OΣ 3	B and C }
9694	Σ 2598	DM (54°) 2232	47 19	54 21	148.3	10.92	8.0...10.4	1832.66	Σ 4	8.0 very yel.
9695	Ho 580	L 37881	47 19	22 9	267.6	0.65	8.0... 8.1	1895.76	Ho 4	
9696	A. G. 241	DM (7°) 4278	47 31	8 2	193.8	11.26	9.8...10.0	1894.85	Lp	
9697	H 900	56 Aquilae	47 37	- 8 53	75 ±	40 ±	6 ... 11	1820+	H	Yellow: blue
9698	Σ 2593 ref.	DM (11°) 4030	47 37	11 32	235.9	12.38	8.3... 9.7	1901.47	β 3	A and B }
					304.3	3.70	... 11.0	1901.47	β 3	B and C }
9699	H 1488	DM (37°) 3651	47 40	37 43	170.0	6 ±	10 = 10	1828+	H	Double in A. G.
9700	H.C. Wilson 17	Cord. DM (24°) 15677	47 46	-24 10	117.6	17.34	8.0...10.5	1885.71	W 1	(See p. 1081)
9701	H III. 105	DM (19°) 4192	47 55	19 59	219.6	14.48	....	1783.45	H 1	
9702	H 1446	....	47 56	-19 34	53.4	12 ±	9-10...11	1828+	H	
9703	Hu 685	DM (35°) 3845	47 59	35 18	65.8	1.65	9.0...14.5	1903.21	Hu 3	(Bul. L. O. No. 57)
9704	A 377	A. G. Leiden 7734	48 1	31 38	260.4	3.78	8.8...13.2	1902.80	A 3	(Bul. L. O. No. 29)
9705	Σ 48, App. I	P XIX ^h . 320	48 5	20 1	147.9	42.22	6.7... 6.8	1831.86	Σ 6	White
9706	H 602	SD (12°) 5577	48 5	-12 43	310 ±	3 ±	10 ... 13	1820+	H	
9707	Σ 2594	57 Aquilae	48 8	- 8 32	171.4	35.55	5.2... 6.2	1833.12	Σ 5	Very wh.
9708	Hn 36	SD (20°) 5759	48 12	-20 39	214.3	1.03	8.5... 9.0	1881.71	β 3	
9709	A 168	A. G. Berlin 7337	48 12	23 21	263.0	0.24	9.2... 9.3	1900.66	A 3	
9710	Hu 686	DM (50°) 2904	48 18	50 28	146.4	4.43	7.0...12.0	1904.38	Hu 2	(Bul. L. O. No. 57)
9711	Σ 2599	DM (22°) 3846	48 30	22 41	48.6	3.91	7.8... 9.5	1829.79	Σ 3	7.8 very wh.
9712	Σ 2596	Aquilae 192	48 32	14 59	353.0	2.12	7.2... 8.6	1831.26	Σ 4	Yel' sh: ash
9713	Σ 2603	ε Draconis	48 34	69 58	354.5	2.79	4.0... 7.6	1832.44	Σ 6	Yel.: blue
9714	A. G. 242	A. G. Lund 8805	48 36	36 45	178.5	1.85	9.2... 9.7	1902.60	β 2	
9715	A 603	A. G. Bonn 13493	48 39	40 26	94.8	0.67	8.4...10.3	1903.75	A 3	(Bul. L. O. No. 50)
9716	H 1449	DM (32°) 3611	48 39	32 44	286.5	4 ±	10 ... 13	1828+	H	
9717	H 1450	....	48 46	29 58	251.6	3 ±	11 ... 11	1828+	H	
9718	β 659	DM (6°) 4351	48 48	6 50	316.0	12.32	6.5...12.5	1878.62	β 1	
9719	Σ 2597	Aquilae 191	48 53	- 7 3	92.1	1.92	6.9... 8.0	1826.47	Σ 4	White
9720	Hn 153	SD (13°) 5519	48 58	-13 24	113.2	2.14	9.7...10.5	1888.73	Com 3	
9721	β 830	L 37916	49 0	- 1 9	106.4	2.72	8.0...11.2	1881.74	β 2	
9722	Schj. 23	SD (7°) 5103	19 49 15	- 7 2	23.9	36.27	8.8... 9.4	1890.54	Gla 2	

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
9723	H 2910	DM (58°) 1998	19 ^h 49 ^m 22 ^s	58° 54'	263° 5	8" ±	10 ... 11	1830+	H	
9724	OΣ 532	β Aquilae	49 25	6 6	17.1	12.36	3.4...11.3	1852.44	OΣ 4	
9725	Ho 115	W ² XIX ^b . 1576	49 28	16 56	326.0	4.96	8.1...13	1886.70	Ho 2	
9726	H 1451	DM (31°) 3832	49 34	31 51	229.0	10 ±	10 ... 12	1828+	H	
9727	A 275	A. G. Camb. 10583	49 53	24 54	86.8	0.18	9.3... 9.3	1901.94	A 2	
9728	Howe 52	....	50 ±	24 29 ¹	15.2	36.23	9.0... 9.0	1879.53	Cin 1	From Cin ⁵
9729	Σ 2600	L 37989	50 4	22 11	54.6	3.15	8.3... 9.7	1829.79	Σ 3	
9730	H 1452	....	50 8	40 45	228.8	5 ±	11 ... 12	1828+	H	
9731	H 2909	....	50 10	38 59	....	....	....	1830+	H	
9732	OΣ 390	L 38029	50 20	29 53	23.0	9.82	6.9... 9.2	1849.72	OΣ 4	A and B }
					175.1	16.28	...11.0	1849.72	OΣ 4	A and C }
9733	A 44	SD (3°) 4751	50 27	- 3 19	22.8	1.42	8.4...11.8	1899.78	A 4	(A. N. 3635)
9734	Doo 12	DM (35°) 3860	50 35	35 32	252.8	1.53	9.2...10.2	1900.59	Doo 3	(Pub. Flower Obsy. I)
9735	H 2913	....	50 36	62 2	233.3	6 ±	11 ... 12	1830+	H	
9736	Ho 116	L 38019	50 38	17 36	22.2	3.90	8.0...12.7	1886.71	Ho 2	A and B }
					9.6	17.85	...13	1886.71	Ho 1	A and C }
9737	H 1453	....	50 41	24 20	227.1	23 ±	9 = 9	1828+	H	
9738	Σ 2601	DM (1°) 4145	50 46	1 36	166.0	6.59	8.2...10.0	1831.05	Σ 4	8.2 wh.
9739	Ho 581	W ² XIX ^b . 1646	50 56	41 32	258.4	0.32	7.5... 7.5	1895.69	Ho 2	(A. N. 3557)
9740	H 2847	....	51 3	7 57	35.5	8 ±	11 = 11	1830+	H	
9741	Hd 155	W ² XIX ^b . 1255	51 22	- 9 23	113.1	108.6	....	1868.62	Hd 1	
9742	A 604	A. G. Alb. 6918	51 23	4 54	263.3	0.20	8.6... 8.7	1903.51	A 3	(Bul. L. O. No. 50)
9743	H 2911	SD (18°) 5547	51 26	-18 4	99.0	15 ±	10 ... 11	1830+	H	
9744	OΣ (App) 194	B. A. C. 6852	51 26	59 22	360.3	75.26	5.3... 8.3	1875.31	Δ 3	
9745	Hu —	DM (50°) 2936	51 28	50 58	18.7	0.35	8.0... 8.5	1904.36	Hu 1	
9746	A 605	A. G. Leip. 9701	51 29	6 27	87.5	1.64	8.6...10.0	1903.42	A 3	(Bul. L. O. No. 50)
9747	Σ 2604	DM (63°) 1574	51 29	63 52	184.5	27.81	6.5... 8.7	1831.95	Σ 2	Yel.: blue
9748	H 604	W ² XIX ^b . 1669	51 35	40 4	305 ±	50 ±	8 ... 11	1820+	H	(See p. 1081)
9749	Hu 687	DM (50°) 2920	51 40	50 30	92.8	0.15	7.5... 7.5	1904.38	Hu 2	(Bul. L. O. No. 57)
9750	H 1454	....	51 41	-17 42	236.5	10 ±	9 ... 13-14	1828+	H	Probably SD (17") 5812
9751	H 2915	....	51 43	61 35	272.1	5 ±	11 = 11	1830+	H	
9752	β 980	η Cygni	51 48	34 46	209.6	7.07	5 ... 13.0	1879.89	β 5	A and B }
					325.3	46.17	...11.5	1879.47	β 1	A and C }
					170.0	49.52	...11.5	1879.47	β 1	A and D }
					247.3	61.72	...12.5	1898.56	β 1	A and E }
9753	β 831	DM (47°) 2955	51 59	47 4	128.0	0.94	8.6... 9.0	1881.46	β 3	
9754	A 606	A. G. Alb. 6924	52 6	4 37	105.9	0.28	8.8... 8.8	1903.51	A 3	(Bul. L. O. No. 50)
9755	A. Clark 12	W ² XIX ^b . 1273	52 9	- 2 33	333.7	0.86	7 1/4 ... 8	1854.65	Da 1	
9756	Σ 2602	SD (13°) 5537	52 14	-13 37	150.0	12.10	8.5... 9.2	1829.27	Σ 2	
9757	A 607	A. G. Leip. II. 9709	52 14	5 28	194.2	0.18	8.9... 9.2	1903.51	A 3	(Bul. L. O. No. 50)
9758	β 266	W ² XIX ^b . 1282	52 15	11 5	167.3	15.65	7.2...11.3	1875.31	Δ 3	
9759	β 425	L 38087	52 15	19 58	241.3	1.26	8.8... 9.0	1876.29	Δ 3	A and B }
					40.4	19.81	...12.0	1879.55	β 3	A and C }
9760	H 901	....	52 21	- 1 20	245 ±	7 ±	11 ... 13	1820+	H	
9761	A. G. 243	A. G. Leiden 7798	52 24	30 45	261.1	43.77	8.5... 9.0	1903.52	β 2	
9762	Hu 688	DM (48°) 2984	52 28	48 53	291.3	4.05	8.2...13.0	1904.38	Hu 2	(Bul. L. O. No. 57)
9763	H 2916	DM (58°) 2009	52 29	58 7	113.5	10 ±	10 ... 12	1830+	H	
9764	Espin 131	DM (53°) 2332	52 30	54 3	228.0	7.3	8.1... 9.0	1902	Es	(See p. 1081) (M. N. LXIII, 172)
9765	Σ 2605	ψ Cygni	52 32	52 7	184.6	3.32	5.0... 7.5	1831.39	Σ 5	Wh.: ash
9766	H 2917	....	52 39	58 6	110.0	8 ±	11 ... 11	1830+	H	
9767	β 981	W ² XIX ^b . 1687	52 40	20 13	111.4	3.07	8.0...11.4	1880.31	β 5	A and B }
					58.8	32.10	...11	1880.48	β 1	A and C }
9768	H 2912	SD (18°) 5557	52 41	-17 57	140.5	14 ±	9-10...10	1830+	H	
9769	β 149	L 38105	19 52 47	16 10	199.8	8.32	9.9...12.5	1893.54	Lv 4	B and C }
					278.6	126.57	6.5...	1893.54	Lv 3	A and B }

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
9770	H 2914	....	19 ^h 52 ^m 50 ^s	1° 29'	210° ±	10" ±	11 ... 11	1830+	H	
9771	A. Clark 16	DM (26°) 3744	52 57	26 56	234.3	0.35 ±	7½ ... 8	1859.61	Da 1	A and B } AB and C }
					136.6	93.46	... 6.3	1875.78	A 3	
9772	A. G. 244	DM (21°) 3994	53 5	21 49	275.6	1.16	9.0 ... 10.4	1902.73	M 3	
9773	See 400	O. Arg. B. 20138	53 9	-24 17	30.4	1.38	7.9 ... 10	1897.70	See 3	
9774	Ho 276	L 38100	53 16	-10 16	172.9	....	7 ... 7	1887.75	Ho 1	
9775	OΞ 391 rej.	DM (43°) 3425	53 20	43 56	52.5	17.93	7.5 ... 10.2	1866.51	A 3	
9776	H 1457	DM (37°) 3695	53 23	37 36	221.7	8 ±	10 = 10	1828+	H	
9777	H 5164	O. Arg. B. 20141	53 31	-27 31	124.6	10 ±	9 ... 9½	1834.6	H	
9778	H 1460	....	53 39	46 28	90.0	2½ ±	11 ... 11+	1828+	H	
9779	Ho 582	DM (33°) 3670	53 40	33 13	142 ±	0.3 ±	8.5 ... 8.5	1895.74	Ho 4	A and B } (A. N. 3557) AB and C }
					187.4	7.24	... 12	1895.73	Ho 3	
9780	Ho 583	DM (21°) 3999	53 52	21 47	250.0	1.21	9.0 ... 10.7	1895.76	Ho 2	(A. N. 3557)
9781	Σ 2617	DM (75°) 714, 715	53 53	75 5	42.0	27.75	8.5 ... 9.0	1832.29	Σ 3	Wh.
9782	OΞ 392	Cygni 116	53 54	41 56	322.0	0.44	7.2 ... 9.0	1844.66	OΞ 3	A and B } ACm AB and C } X 2607
					293.4	3.23	... 9.0	1831.52	Σ 3	
9783	Σ 2606	DM (32°) 3651	53 54	32 57	131.0	1.19	7.5 ... 8.2	1832.07	Σ 3	Yel'sh wh.
9784	Schj. 24	DM (11°) 4075	53 55	11 34	360 ±	30 ±	9 ... 9	....	....	From Schj. (1485)
9785	Lewis 31	....	54 :	29 34:	129.7	3.70	9.0 ... 9.5	1899.72	L 1	
9786	OΞ 393	L 38206	54 0	44 4	225.8	21.75	7.5 ... 8.4	1847.74	OΞ 3	Reddish: blue
9787	Σ 2609	Cygni 118	54 15	37 47	29.1	2.37	7.0 ... 8.1	1831.85	Σ 5	Very wh.
9788	See 401	Lao. 8308	54 16	-23 4	220.7	13.03	5.2 ... 14.5	1897.82	See 1	
9789	H 1458	DM (10°) 4132	54 22	10 51	311.8	20 ±	9 = 9	1828+	H	
9790	H 1459	....	54 23	14 25	108.5	3 ±	12 ... 13	1828+	H	
9791	A 276	A. G. Camb. 10687	54 26	26 16	329.4	0.88	9.0 ... 12.3	1901.89	A 3	
9792	β 469	W ² XIX ^h . 1757	54 28	24 24	175.4	14.43	8.3 ... 10.7	1877.01	A 3	
9793	Hu 689	DM (50°) 2936	54 28	50 58	16.6	0.35	7.8 ... 8.2	1904.38	Hu 2	
9794	H 2919	DM (5°) 4373	54 32	5 10	348.0	12 ±	10 ... 11	1830+	H	
9795	H 1461	....	54 37	32 0	130 ±	4 ±	10 ... 12	1828+	H	"P est. from diagram"
9796	Σ 2610	DM (35°) 3898	54 38	35 13	298.4	4.26	8.1 ... 8.6	1830.28	Σ 4	A and B } A and C } AB wh.
					206.4	12.30	... 11.0	1843.77	Ma 1	
9797	....	χ Sagittae	54 38	17 11	205.4	28.96	5.8 ... 12	1878.70	β 1	
9798	A 378	A. G. Leiden 7840	54 40	31 47	318.7	0.41	8.4 ... 8.8	1902.80	A 3	(Bul. L. O. No. 29)
9799	S 730	W ² XIX ^h . 1765	54 44	17 17	15.8	115.93	7½ ... 8	1825.04	S 2	
9800	IV. 100	DM (17°) 4186	54 45	17 11	259.6	23.03	....	1783.65	H 1	A and B } A and C }
					280 ±	60 ±	....	1783.65	H 1	
9801	β 1133	L 38224	54 56	31 30	338.6	0.87	6.8 ... 9.5	1889.56	β 3	
9802	A 379	A. G. Leiden 7844	54 56	30 35	225.8	2.45	8.0 ... 13.2	1902.80	A 3	(Bul. L. O. No. 29)
9803	Hu 352	DM (17°) 4188	54 57	17 37	261.5	0.23	8.6 ... 9.1	1901.79	Hu 2	(Bul. L. O. No. 28)
9804	H 2918	L 38161	54 58	-17 53	139.0	15 ±	9 ... 9-10	1830+	H	
9805	H 1462	W ² XIX ^h . 1776	55 5	25 37	22.6	27 ±	8 ... 10	1828+	H	
9806	Arg. 35	O. Arg. W. 19862	55 6	53 36	228.0	7.27	8.4 ... 9.0	1902.46	β 2	
9807	A 169	....	55 8	22 35	190.7	1.14	10.2 ... 10.7	1900.60	A 2	
9808	Σ 2611	O. Arg. W. 19860	55 14	47 2	26.4	5.10	8.0 ... 8.0	1831.91	Σ 4	Yel'sh wh.
9809	Ho 584	L 38223	55 15	25 52	226.4	2.29	6.5 ... 12	1896.68	Ho 2	(A. N. 3557)
9810	Hd Zones	DM (0°) 4386	55 25	0 20	198.8	9.44	8.5 ... 12	1900.46	β 1	Red: blue
9811	β 1258	DM (29°) 3838	55 26	29 35	159.9	1.52	8.0 ... 12.0	1878.41	β 1	
9812	Hu 78	SD (13°) 5553	55 29	-12 57	181.7	2.18	8.5 ... 8.8	1899.76	Hu 1	(A. J. 480)
9813	II. 93	L 38205	55 30	-0 32	289.1	Cl. I	....	1783.69	H 1	
9814	Σ 2612	DM (6°) 4401	55 31	6 36	52.8	36.59	7.8 ... 8.8	1827.67	Σ 3	Wh.
9815	H 2922	....	55 33	61 6	347.3	8 ±	10 ... 11	1830+	H	
9816	H 2923	Rad ² . 4549	55 38	62 33	167.5	20 ±	7-8 ... 16	1830+	H	"Excessively difficult"
9817	Hu 79	SD (12°) 5621	55 39	-12 17	243.5	0.60	8.5 ... 8.8	1899.76	Hu 1	(A. J. 480)
9818	Σ 2613	Aquilae 210	55 43	10 25	350.7	4.69	7.0 ... 7.2	1829.18	Σ 4	Yel'sh wh.
9819	H 2920	....	19 55 44	2 51	171.6	4 ±	10 ... 10	1830+	H	"Neat"

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
9820	OE 394	DM (36°) 3807	19 ^h 55 ^m 45 ^s	36° 5'	294° 7'	10.83	7.0... 9.8	1847.45	OE 4	7.0 <i>yel.</i>
9821	H 1464	O. Arg. N. 19872	55 48	50 20	31.3	13±	8 ... 17	1828+	H	
9822	H 1463	....	55 53	45 29	316.1	8±	11 ... 12	1828+	H	
9823	β 439	DM (29°) 3845	55 57	29 30	249.7	2.70	7.9... 12.7	1876.80	β 1	
9824	Lewis 32	....	56 :	29 35:	129.7	3.70	9.0... 9.5	1899.72	L 1	
9825	Webb	DM (36°) 3816	56 19	36 15	202.0	71.38	7 ... 8.6	1900.52	Es 2	A and B
					228.3	14.40	9.0... 9.5	1900.53	Es 2	C and D
					277.7	26.13	....	1900.53	Es 2	B and C
9826	Ho 585	L 38241	56 21	— 3 40	357.3	15.75	8 ... 12	1894.73	Ho 2	(A. N. 3557)
9827	H 5510	....	56 30	1 29	55±	7±	15 = 15	1823+	H	
9828	A 719	A. G. Bonn 13646	56 33	46 1	107.0	2.73	9.2... 9.6	1904.45	A 2	
9829	H 2921	DM (—1°) 3885	56 34	— 0 56	342.2	15±	9-10... 12	1830+	H	8.7m. in DM
9830	β 1289	W ² XIX ^h . 1835	56 38	37 23	59.7	0.84	8.3... 9.2	1899.32	β 3	A and B
					90.0	21.51	... 9.0	1899.32	β 3	A and C
9831	H 1467	....	56 49	40 35	127.0	7±	10 ... 10+	1828+	H	
9832	A 277	A. G. Camb. 10746	56 51	26 56	338.8	4.01	9.0... 13.2	1901.76	A 3	
9833	OE 395	16 <i>Vulpeculae</i>	56 56	24 36	79.3	0.64	5.8... 6.2	1844.16	OE 2	
9834	Σ 2615	L 38279	57 5	8 4	323.2	10.82	7.2... 10.1	1828.94	Σ 4	7.2 <i>wh.</i>
9835	Hd Zones	DM (0°) 4399	57 6	0 22	145.6	4.22	8.6... 13.0	1900.94	β 2	A and B
					190.1	16.57	... 11.5	1900.94	β 2	A and C
9836	A. G. 245	A. G. Leiden 7878	57 9	31 19	356.7	12.02	8.3... 9.8	1903.52	β 2	β ⁶
9837	Σ 2616	DM (14°) 4150	57 13	14 15	265.9	3.27	6.8... 9.7	1829.69	Σ 3	6.8 <i>very yel.</i>
9838	Ho 586	DM (32°) 3680	57 15	32 43	174.5	6.07	9 ... 12	1895.63	Ho 2	(A. N. 3557)
9839	H 1468	L 38337	57 18	39 58	275.4	8±	9 ... 12	1828+	H	
9840	Σ 2623	DM (59°) 2159	57 20	59 8	106.3	1.68	8.9... 10.9	1833.03	Σ 4	8.9 <i>yel.</i>
9841	Hu 353	DM (19°) 4258	57 20	19 45	338.6	0.41	8.9... 10.5	1901.79	Hu 2	(<i>Bul. L. O.</i> No. 12)
9842	H 1466	....	57 20	10 55	339.0	5±	13 = 13	1828+	H	"Middle star of a cluster"
9843	Espin —	DM (59°) 2160	57 21	59 24	145.0	4.1	9.0... 11.5	1903	Es	(<i>M. N. LXIV</i> , 238)
9844	A 45	SD (3°) 4774	57 23	— 3 46	110.6	0.90	9.6... 10.0	1899.73	A 3	(A. N. 3635)
9845	Σ 2619	DM (47°) 2982	57 29	47 56	244.9	4.29	8.1... 8.1	1831.91	Σ 4	A and B
					299.6	17.33	... 11.5	1862.80	OE 2	A and C
					183.8	5.45	11.8... 13.0	1879.49	β 1	C and D
9846	H 1465	....	57 30	— 16 30	113.2	3±	11 ... 12	1828+	H	
9847	Δ 21	DM (15°) 4029	57 32	15 11	214.3	21.65	7.7... 10.2	1867.04	Δ 3	
9848	H 2924	DM (20°) 4031	57 37	21 25	349.0	12±	9 ... 11	1830+	H	
9849	A 720	A. G. Bonn 13675	57 39	48 0	63.9	0.47	9.5... 9.5	1904.45	A 1	
9850	OE (App) 196	Rad ^r . 4560	57 42	40 31	167.0	55.74	6.7... 8.2	1873.97	Δ 2	
9851	OE 396 <i>rej.</i>	L 38328	57 53	18 10	205.0	47.71	6.0... 9.3	1866.91	Δ 3	
9852	Σ 2618	W ² XIX ^h . 1431	57 56	15 8	115.5	5.29	8.6... 8.9	1831.27	Σ 4	White
9853	Ho 117	....	57 56	33 21	313.5	5.08	9.1... 10.4	1883.48	Ho 4	
9854	H V. 47	26 <i>Cygni</i>	57 58	49 46	146.3	41.73	5.3... 8.5	1875.32	Δ 3	A and B
					73.7	8.99	... 11.0	1878.41	β 1	B and C
9855	Lewis 33	....	58 :	24 35:	20.1	0.45	8 ... 9	1900.71	L 1	
9856	Ho 118	DM (33°) 3701	58 7	33 20	27.1	2.85	9.1... 11.0	1883.48	Ho 4	
9857	H 2925	W ² XIX ^h . 1433	58 11	4 29	242.5	25±	8 ... 12	1830+	H	
9858	H 2971	Redhill 3060	58 13:	88 5	207.4	12±	9 ... 12	1830+	H	A and B
					40.8	25±	... 12	1830+	H	A and C
9859	H 1469	DM (14°) 4157	58 16	14 15	217.0	14±	10 = 10	1828+	H	
9860	....	DM (14°) 4158	58 17	14 39	170.9	28.85	7.5... 9.5	1900.68	β 1	(β ⁶)
9861	H IV. 3	64 <i>Sagittarii</i>	58 28	— 11 56	10±	25±	....	1780.65	H	
9862	Σ 2620	DM (11°) 4114	58 29	11 27	291.9	1.78	8.2... 9.3	1830.83	Σ 3	
9863	Σ 2622	DM (16°) 4120	58 42	16 40	194.2	5.97	8.0... 8.7	1831.38	Σ 3	<i>Yel'sh; bluish</i>
9864	β 56	L 38343	58 47	— 4 39	162.2	1.61	8.2... 9.2	1875.43	Δ 4	
9865	Σ 2621	L 38366	58 48	8 54	222.0	5.67	7.7... 7.9	1829.71	Σ 5	White
9866	A 380	A. G. Leiden 7902	19 58 53	32 0	201.4	0.89	9.3... 9.4	1902.71	A 3	(<i>Bul. L. O.</i> No. 29)

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
9867	Hn 154	SD (14°) 5634	19 ^h 58 ^m 56 ^s	−14° 40′	40° 7′	1 ^h 28	9.8... 9.8	1888.75	Com 3	
9868	Σ 2624	W ² XIX ^b . 1931	59 1	35 41	178.8	2.04	7.2... 7.8	1830.83	Z 3	A and B } AB wd.
					327.4	42.35	... 9.5	1831.85	Z 2	A and C }
9869	H 2926	....	59 6	4 14	346.2	18±	10 ... 11	1830+	H	
9870	A 608	A. G. Lelp. II. 9799	59 12	5 26	15.8	1.07	9.0... 11.2	1903.51	A 3	(Bul. L. O. No. 90)
9871	H 2927	W ² XIX ^b . 1456	59 13	0 7	135.0	20±	7 ... 13	1830+	H	
9872	β 426	O. Arg. W. 19938	59 13	54 18	310.0	5.75	8.2... 10.2	1877.05	Δ 6	A and B }
9873	β 427	....	....	....	336.5	3.01	8.1... 10.0	1877.05	Δ 6	C and D }
					53.3	166.17	....	1877.18	Δ 4	A and C }
9874	See 405	O. Arg. S. 20228	59 15	−28 43	233.4	0.48	8 ... 8.4	1897.66	See 1	
9875	OE 397 <i>rej.</i>	DM (15°) 4038	59 17	15 34	169.5	34.03	7.1... 8.5	1845.34	OE 2	
9876	H 1470	DM (37°) 3744	59 19	37 59	332.5	25±	8-9... 10	1828+	H	
9877	Σ 2626	DM (30°) 3874	59 27	30 12	121.7	1.17	8.0... 8.2	1831.12	Z 3	White
9878	Hn 155	W ² XIX ^b . 1463	59 43	−13 43	275.7	1.83	9.7... 10.2	1888.71	Com 3	
9879	Hu 759	SD (20°) 5816	59 49	−20 54	301.4	0.41	9.5... 11.5	1901.71	Hu 1	
9880	H 1472	DM (43°) 3470	59 51	43 39	44.5	10±	9-10... 9-10	1828+	H	
9881	Ho 454	DM (50°) 2965	59 51	50 8	55.5	5.46	7.0... 12	1889.76	Ho 2	
9882	H 1471	W ² XIX ^b . 1957	59 54	31 53	1.5	30±	6 ... 11	1828+	H	
9883	Espin 85	DM (43°) 3471	59 54	43 51	31.9	2.7	9.2... 10	1901	Es	A and B } (A. N. 3784)
					86.6	10.1	... 11.5	1901	Es	A and C }
9884	β 57	L 38415	59 55	15 9	118.9	2.33	6.2... 10.6	1875.10	Δ 4	
9885	H 5168	O. Arg. S. 20239	59 56	−30 4	83.2	15±	7 ... 12	1834.6	H	
9886	Hd 156	....	20 0 :	− 9 15:	....	....	....	1868.61	Hd	No description
9887	H 2928	SD (19°) 5709	0 0	−19 8	302.3	7±	10 ... 10-11	1830+	H	
9888	Hn 156	DM (1°) 4198	0 3	1 39	249.9	1.15	9.6... 10.0	1888.71	Com 3	
9889	H 2929	....	0 5	42 14	108.7	12±	10 ... 12	1830+	H	
9890	β 832	SD (11°) 5230	0 5	−10 59	101.8	1.34	8.6... 8.9	1881.65	β 3	
9891	Σ 2625	P XIX ^b . 396	0 5	−13 16	11.9	13.32	7.0... 10.8	1827.67	Z 3	7.0 <i>rej.</i>
9892	H VI. 38	64 <i>Draconis</i>	0 12	64 29	....	120±	....	1780.75	H	
9893	H 1475	....	0 16	40 56	271.0	5±	11 ... 13	1828+	H	
9894	OE (App) 198	L 38426	0 17	7 13	186.2	65.24	6.8... 7.3	1875.17	Δ 4	
9895	H 1478	....	0 18	43 40	220±	4±	11 = 11	1828+	H	"Fest. from diagram"
9896	See 406	O. Arg. S. 20244	0 23	−19 55	1.2	2.73	7.9... 10.8	1897.75	See 1	
9897	H 1480	DM (54°) 2280	0 27	54 56	98.0	12±	9-10... 13	1828+	H	"A star 8 m. <i>rej.</i> "
9898	H 1473	DM (26°) 3785	0 29	26 56	143.3	7±	10-11 = 10-11	1828+	H	
9899	H 902	DM (1°) 4201	0 31	1 47	30±	6±	10 = 10	1820+	H	
9900	H 1474	....	0 32	29 50	350.4	8±	10 ... 11	1828+	H	
9901	H 903	....	0 46	10 13	355±	4±	13 ... 14	1820+	H	
9902	H Σ	DM (38°) 3895	0 47	38 21	41.9	4.90	9 ... 10	1889.71	H Σ 1	
9903	H 1479	W ² XIX ^b . 1986	0 47	25 15	1.5	30±	9 ... 12	1828+	H	
9904	H 1476	DM (12°) 4223	0 52	12 32	79.0	8±	10 ... 11-12	1828+	H	
9905	H 1477	L 38450	0 55	12 20	265.0	12±	8 ... 12	1828+	H	
9906	A 381	A. G. Bonn 13738	1 0	40 24	283.0	0.76	8.8... 10.8	1902.84	A 3	(Bul. L. O. No. 99)
9907	OE (App) 200	P XIX ^b . 1, 3	1 1	64 18	338.2	96.65	6.7... 8.0	1875.75	Δ 2	
9908	β 428	DM (12°) 4226	1 5	12 36	343.7	0.56	7.2... 8.5	1876.49	Δ 5	
9909	Sh 316	L 38502	1 8	35 16	324.0	69.48	8 ... 9	1823.62	Sh 2	
9910	Ku 58	DM (49°) 3180	1 12	49 18	187.3	2.87	9.5... 9.7	1901.62	Ku 2	Kustner (381)
9911	H 904	DM (10°) 4176	1 14	10 14	315±	18±	9 ... 11	1820+	H	8.3 m. in DM
9912	A 609	A. G. Lelp. II. 9820	1 16	7 39	144.4	0.31	9.2... 9.4	1903.62	A 4	(Bul. L. O. No. 90)
9913	Σ 2632 <i>rej.</i>	....	1 17:	64 7:	....	Cl. IV	8-9... 11	....	Z	
9914	Espin 86	....	1 18:	35 37	288.5	11.5	9.0... 10.0	1901	Es	A and B }
					163.2	4.2	10 ... 11.5	1901	Es	B and C }
					79.0	11.7	... 12.0	1901	Es	A and D }
					318.2	14.8	... 11.0	1901	Es	A and F }
9915	H IV. 34	DM (−1°) 3896	20 1 26	− 0 57	....	30±	....	1781.56	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
9916	β 429	L 38520	20 ^h 1 ^m 27 ^s	35° 27'	61° 3	6.47	7.0...12	1876.80	β 1	A and B
					25.8	7.75	...11.0	1876.73	Δ 2	A and C
					106.8	28.15	...11.5	1876.73	Δ 2	A and E
					300.7	11.11	... 9.5	1876.73	Δ 2	A and D
					28.2	35.98	... 7.7	1876.73	Δ 2	A and F
					113.0	10.12	...12	1876.80	β 1	F and G
9917	H 905	DM (10°) 4178	1 29	10 14	170±	9±	10 ...12	1820+	H	8.7 m. in DM
9918	H 2931	....	1 31	17 42	317.0	3±	12 ...12-13	1830+	H	"A third near"
9919	Espin 25	DM (35°) 3957, 3956	1 31	35 25	118.7	9.0	...14.1	1899.64	Es 1	A and B
					299.4	11.34	...13.8	1899.63	Es 2	A and C
					236.6	20.16	7 ... 9	1823.61	Sh 4	A and D
9920	H 2930	....	1 42	3 7	162.1	18±	10 ...10	1830+	H	
9921	Σ 2627	DM (4°) 4350	1 44	4 26	23.2	1.96	9.0...11.5	1829.37	Z 3	
9922	H.C. Wilson 18	....	1 45	-23 2	315.0	20.97	7.5... 8.0	1883.67	W 1	
9923	H 1481	DM (48°) 3024	1 47	49 3	8.4	12±	11 = 11	1828+	H	A and B
					268.0	20±	...11	1828+	H	A and C
9924	Σ 2629 <i>rej.</i>	W ² XIX ^h . 2025	1 50	15 44	187.8	8.98	7.2...10.3	1874.87	Δ 3	(= β 58)
9925	Σ 2631	P XIX ^h . 415	1 57	20 45	342.1	4.45	8.0... 9.4	1830.83	Z 4	8.0 <i>yel'sh</i>
9926	Σ 2628	Aquiles 227	2 3	9 3	348.9	4.48	6.1... 8.2	1830.58	Z 5	<i>Yel'sh wh.: purple</i>
9927	A 278	DM (34°) 3874	2 8	34 34	293.8	1.48	8.5...12.7	1901.53	A 4	
9928	Hn 37	SD (4°) 5026	2 12	-4 1	313.6	3.06	8.6...11.4	1881.67	β 3	
9929	Σ 2647	L 38855	2 15	79 7	83.1	8.60	8.5... 9.5	1832.28	Z 2	<i>White</i>
9930	Hu 80	SD (19°) 5724	2 20	-19 46	4.5	2.57	8.5...10.2	1899.65	Hu 1	(A. J. 480)
9931	A. G. 246	A. G. Lund 9025	2 25	39 53	....	....	9.0...	....	....
9932	A 279	A. G. Camb. 10868	2 47	26 25	32.9	1.18	8.8...14.2	1901.76	A 3	
9933	O Σ 398	W ² XX ^h . 29	2 53	35 22	84.6	0.90	7.3... 9.8	1846.42	O Σ 3	A and B
					132.6	5.28	...14.8	1901.64	A 2	A and C
9934	H 1482	DM (12°) 4235	3 10	12 47	120.0	5±	9-10...12	1828+	H	
9935	Σ 2640	DM (63°) 1593	3 14	63 33	27.3	4.92	6.0... 9.9	1832.66	Z 4	6.0 <i>very wh.</i>
9936	Σ 2633	L 38593	3 16	32 14	102.5	11.57	8.0...11.0	1831.85	Z 2	8.0 <i>very wh.</i>
9937	H 2934	DM (59°) 2174	3 23	59 4	318.4	3±	10 ...13	1830+	H	
9938	H 2932	DM (17°) 4232	3 31	17 44	132.1	12±	10 ...11	1830+	H	"Quadruple"
					211.1	12±	...14	1830+	H	
					355.0	14±	...16	1830+	H	
					214.8	2.40	9.5...11.0	1877.69	Δ 2	
9939	β 470	O. Arg. N. 20079	3 41	63 25	18.7	0.56	8.8...13.0	1901.69	Hu 3	(Bul. L. O. No. 12)
9940	Hu 354	DM (17°) 4233	3 49	18 1	....	....	8.6...	....	....
9941	A. G. 247	DM (24°) 4017	3 50	24 59	....	....	8.6...	....	....
9942	Da 12	....	3 55:	28 21:	90±	12±	8 ...12	....	Da	
9943	A 382	A. G. Bonn 13793	3 56	42 2	85.1	1.29	6.9...10.3	1902.79	A 3	(Bul. L. O. No. 29)
9944	Σ 2642	P XX ^h . 30	3 57	63 21	165.2	2.45	8.7... 8.7	1832.51	Z 3	<i>Yel'sh wh.</i>
9945	H 606	W ² XX ^h . 87, 90	3 57	37 47	230±	60±	9 ... 9½	1820+	H	
9946	A 383	A. G. Bonn 13794	3 57	41 41	234.8	0.28	9.5... 9.5	1902.86	A 2	(Bul. L. O. No. 29)
9947	Hu 355	DM (19°) 4299	3 59	19 43	351.9	1.07	9.0...13.0	1901.67	Hu 3	(Bul. L. O. No. 12)
9948	H 2933	DM (1°) 4219	4 6	1 42	27.6	15±	9-10...10	1830+	H	
9949	Σ 2634	W ² XX ^h . 70	4 6	16 27	13.7	6.43	8.0... 9.5	1830.12	Z 3	<i>Yel'sh wh.: blue</i>
9950	Σ 2635	Aquiles 231	4 19	8 6	78.5	7.30	7.0...10.5	1828.13	Z 3	7.0 <i>yel.</i>
9951	Ho 119	W ² XX ^h . 37	4 27	-13 13	199.7	3.29	8.7... 8.7	1883.68	Ho 2	
9952	Σ 2638 <i>rej.</i>	W ² XX ^h . 110	4 30	33 18	74.7	16.68	8.5... 9.3	1902.49	β 2	
9953	H 1484	SD (15°) 5576	4 31	-15 51	335.9	6±	10 ...13	1828+	H	8.5 m. in SD
9954	S 737	W ² XX ^h . 101	4 39	20 39	129.4	101.07	8 ...10	1824.68	S 2	
9955	Σ 2637	θ Sagittae	4 39	20 33	326.7	11.40	6.0... 8.3	1832.82	Z 8	A and B } <i>Yel'sh wh.: ash: yel.</i>
					226.6	70.70	... 7.1	1832.82	Z 8	A and C }
9956	Σ 2639	W ² XX ^h . 121	4 42	35 8	303.5	5.52	7.7... 8.7	1830.26	Z 3	<i>Yel'sh wh.: ashy wh.</i>
9957	H 1487	DM (40°) 4035	4 48	40 23	290.2	6±	10 ...13	1828+	H	
9958	H 1485	W ² XX ^h . 126	4 57	33 3	276.2	3±	9-10...10	1828+	H	
9959	H VI. 59	....	20 5 :	36 39:	....	73±	....	1781.76	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
9960	H VI. 27	<i>θ Aquilae</i>	20 ^h 5 ^m 7 ^s	- 1° 11'	....	60" ±	....	1780.64	H	
9961	S 735	P XX ^b . 11	5 9	- 0 29	202° 2	54.67	7½... 8	1825.01	S 3	
9962	H VI. 92	W ¹ XX ^b . 56	5 9	-12 26	267.9	62.27	....	1783.18	H 1	
9963	β 833	L 38625	5 11	- 6 30	63.7	2.30	8.8...11.7	1881.74	β 2	B and C }
					63.5	118.58	8.4...	1881.74	β 2	A and B }
9964	A 384	A. G. Berlin 7526	5 19	24 18	355.2	1.15	9.0...10.8	1902.78	A 3	(<i>Bul. L. O. No. 29</i>)
9965	H 2936	DM (58°) 2058	5 19	58 47	254.7	12 ±	9-10... 9-10	1830+	H	8.5 m. in DM
9966	Σ 2636	W ¹ XX ^b . 69	5 20	- 4 57	201.8	12.51	8.2... 9.2	1827.24	Σ 2	
9967	H 1486	....	5 22	10 49	232.0	7 ±	11 = 11	1828+	H	
9968	See 409	....	5 30:	-20 36:	29.6	5.23	8.9...11.8	1897.80	See 1	
9969	H 906	....	5 33	1 24	165 ±	6 ±	....	1820+	H	A and B }
					350 ±	12 ±	....	1820+	H	A and C }
9970	Espin 87	DM (36°) 3917	5 44	36 23	301.5	8.9	8.4... 9.0	1901	Es	(<i>A. N. 3784</i>)
9971	β 1205	L 38649	5 47	- 8 27	50.0	0.56	8.1... 9.4	1890.65	β 3	
9972	Σ 2641	L 38676	5 53	3 27	170.1	20.34	7.5...11.2	1827.76	Σ 2	7.5 <i>yel'sh</i>
9973	β 150	W ² XX ^b . 176	5 56	33 17	187.1	1.66	8.1...10.0	1875.45	β 4	B and C }
					110.3	41.15	7.0...	1875.76	β 3	A and B } (=OX 541)
9974	H 1488	....	5 58	45 26	278.0	4 ±	10-11=10-11	1828+	H	
9975	Σ 2650 <i>rej.</i>	O. Arg. N. 20152	6 0	65 58	....	Cl. IV	8 ...11	....	Σ	
9976	Ho 587	W ² XX ^b . 167	6 1	21 0	63.5	13.20	8 ...12	1897.70	Ho 2	(<i>A. N. 3557</i>)
9977	A 281	DM (34°) 3899	6 2	34 31	171.8	3.72	8.7... 9.0	1901.50	A 2	
9978	Σ 2645	DM (51°) 2781	6 11	51 19	136.9	1.49	8.0... 8.3	1831.74	Σ 3	<i>Very wh.</i>
9979	OΣ 400	L 38758	6 15	43 35	334.9	0.64	7.2... 8.2	1845.73	OΣ 3	<i>Reddish</i>
9980	OΣ 399	L 38747	6 17	36 41	278.8	4.50	7.2... 9.8	1846.76	OΣ 4	7.2 <i>red</i>
9981	Doo 13	DM (40°) 4045	6 24	40 51	257.7	2.82	8.6... 8.9	1900.63	Doo 2	(<i>Pub. Flower Obsy. I</i>)
9982	Σ 2644	P XX ^b . 26	6 28	0 31	207.6	3.34	7.1... 7.4	1830.79	Σ 4	<i>Very wh.</i>
9983	Σ 2643	SD (3°) 4817	6 31	- 3 21	70.6	3.21	7.0... 9.5	1830.91	Σ 6	7.0 <i>wh.</i>
9984	H 5180	Cord. DM (28°) 16507	6 36	-28 30	221.3	4 ±	10 ...11	1834.6	H	
9985	H 2935	Cord. DM (26°) 14870	6 39	-26 52	213.9	12 ±	9-10...12	1830+	H	
9986	H 907	DM (20°) 4468	6 43	20 38	130 ±	5 ±	10 ...11	1820+	H	
9987	β 430	DM (35°) 4008	6 48	35 28	18.7	1.10	9.3...10.2	1877.30	β 3	A and B }
					51.3	17.09	... 9.2	1877.61	β 2	AB and C }
9988	H 1490	....	6 51	35 30	359.8	2 ±	11 ...13	1828+	H	
9989	β 982	DM (25°) 4146	6 51	26 1	51.0	0.87	8.8...10.0	1880.47	β 2	
9990	Doo 14	DM (25°) 4147	6 53	25 32	260.4	1.86	9.2...10.0	1900.69	Doo 2	(<i>Pub. Flower Obsy. I</i>)
9991	Σ 2648	O. Arg. N. 20161	6 54	49 28	116.1	6.17	7.9... 9.2	1831.45	Σ 4	7.9 <i>yel'sh wh.</i>
9992	H 1491	....	6 56	41 9	301.6	2½	10 = 10	1828+	H	
9993	H 5511	....	7 ±	-15 43	140 ±	....	12 ...13	1823+	H	
9994	Σ 2652	DM (61°) 1975	7 3	61 43	280.3	0.32	7.3... 7.6	1832.62	Σ 3	<i>White</i>
9995	H 2938	DM (6°) 4474	7 5	7 0	155.5	15 ±	9 ...11-12	1830+	H	8.8 m. in DM
9996	H 908	DM (9°) 4442	7 7	9 38	340 ±	12 ±	10 ...12	1820+	H	
9997	Espin 132	DM (56°) 2364	7 12	56 36	260.7	5.3	8.6... 8.7	1902	Es 3	A and B } (<i>M. N. LXIII, 172</i>)
					60.7	37.8	... 8.6	1902	Es 3	A and C }
9998	See 411	O. Arg. S. 20331	7 13	-20 36	4.9	2.57	8 ...13.9	1897.75	See 1	
9999	A. G. 248	A. G. Alb. 7036	7 18	1 7	358.1	3.04	8.5...10.0	1902.60	Cg 2	
10000	H 2937	SD (15°) 5589	7 19	-15 17	91.0	3 ±	10-11...12	1830+	H	
10001	Ho 120	DM (34°) 3907	7 22	34 14	113.8	1.01	9.0...11.5	1882.69	Ho 2	
10002	A 282	W ² XX ^b . 243	7 25	34 7	206.2	0.21	7.6... 7.8	1901.41	A 3	A and B }
					17.8	21.43	7.0...12.5	1884.71	Ho 2	AB and C }
					14.5	41.56	...12.0	1889.43	β 2	AB and D }
10003	Doo 15	DM (25°) 4149	7 28	25 17	201.8	127.82	7.5...	1900.67	Doo 1	A and B } (<i>Pub. Flower Obsy. I</i>)
					168.0	2.06	9.0...10.7	1900.69	Doo 2	B and C }
10004	H 2939	O. Arg. S. 20332	7 30	-16 58	182.3	7 ±	9 ...11-12	1830+	H	"Neat"
10005	Σ 2649	DM (31°) 3988, 3989	7 34	31 43	152.3	26.08	7.7... 8.8	1832.20	Σ 3	<i>Yel'sh wh.; ashy</i>
10006	H 909	20 7 37	- 4 25	130 ±	9 ±	10 ...11	1820+	H	

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10007	A. G. 249	A. G. Leiden 8045	20 ^h 7 ^m 43 ^s	34° 29'	132° 5	34' 36	8.6...10.4	1902.56	β 2	
10007 ¹	L 38760	7 49	- 1 14	80.4	64.07	7.1... 8.5	1901.55	β 2	
10008	OZ 401	W ² XX ^h . 265	7 51	38 5	57.6	14.25	7.2...10.5	1847.45	OZ 3	
10009	Σ 2646	Aquiline 241	8 1	- 6 25	51.6	24.70	7.0... 8.8	1829.42	Z 3	7.0 wh.
10010	H 1492	DM (28°) 3668	8 1	28 51	58.8	15\pm	....	1828+	H	
10011	Σ 2651	DM (15°) 4097	8 15	15 48	279.9	1.59	8.0... 8.0	1830.08	Z 3	White
10012	S 740	P XX ^h . 43, 44	8 18	6 14	192.8	43.89	7 ... 7	1824.67	S 2	
10013	A. G. 250	A. G. Leiden 8057	8 19	34 7	53.3	8.47	8.8...10.0	1902.55	β 2	
10014	Arg. 36	O. Arg. W. 20205	8 21	56 56	129.1	7.86	8.7... 9.2	1902.51	β 2	
10015	H 2941	DM (19°) 4329	8 25	20 0	110.7	4 \pm	10-11...11	1830+	H	"Neat"
10016	OZ (App) 203	DM (33°) 3807, 3809	8 29	33 51	37.5	90.68	8.0... 8.7	1876.31	Δ 3	
10017	Σ 2653	DM (23°) 3935	8 31	23 52	255.4	2.45	7.0...10.1	1831.51	Z 4	7.0 yel'sk wh.
10018	H 1494	....	8 32	11 40	3.0	3 \pm	10 ...11	1828+	H	
10019	Hn 157	Lam. 477	8 35	-24 34	235.4	2.42	9.3...10.0	1888.72	Com 3	
10020	H 2940	SD (19°) 5757	8 48	-19 11	141.4	12 \pm	10 ...12	1830+	H	} "Triple"
					265.6	25 \pm	...10	1830+	H	
10021	H 1493	SD (14°) 5687	8 50	-14 44	339.8	7 \pm	10 ...13	1828+	H	
10022	Σ 2655	DM (21°) 4109	8 50	21 52	3.0	6.09	7.5... 7.5	1831.21	Z 5	White
10023	Σ 2654	W ² XX ^h . 165	8 54	- 3 52	233.9	13.90	6.2... 7.7	1831.44	Z 5	White
10024	A 723	A. G. Bonn 13912	9 6	44 11	170.7	0.56	8.0...10.0	1904.39	A 3	
10025	A. Clark 17	Cygni 153	9 11	51 6	80.2	3.85	6 ...11 $\frac{1}{2}$	1859.61	Da 1	
10026	Hd Zones	DM (0°) 4453	9 15	0 21	259.2	1.2 \pm	9.0...10.0	1879.46	Cin 1	} A and B } A and C }
					276.8	31.17	...10.0	1879.46	Cin 1	
10027	β 762	Lac. 8392	9 19	-32 59	303.3	2.49	7.7... 8.0	1877.65	Cin 2	
10028	OZ 402	L 38853	9 24	24 29	33.7	15.25	7.1...10.6	1849.68	OZ 4	
10029	H 910	L 38842	9 29	2 29	319.7	13.58	8.0...13	1881.45	β 1	} A and B } A and C }
					249.0	27.34	...12.7	1881.48	β 2	
10030	A 385	A. G. Bonn 13919	9 32	40 29	257.2	2.62	9.5... 9.7	1902.79	A 2	(Bul. L. O. No. 89)
10031	β 660	B. A. C. 6963	9 40	43 1	318.1	9.44	7.0...13.5	1878.65	β 1	(See p. 108a)
10032	H0 589	W ² XX ^h . 183	9 42	- 8 6	324.5	15.30	8 ...12	1895.75	Ho 2	(A. N. 3557)
10033	β 294	3 Capricorni	9 44	-12 42	177.9	8.17	13.0...13.5	1891.64	β 2	} B and C } A and B }
					36.2	27.14	5.7...	1891.64	β 2	
10034	A 386	A. G. Albany 7048	9 44	4 18	90.8	2.44	9.0...14.2	1902.75	A 2	(Bul. L. O. No. 89)
10035	Σ 2656	Aquiline 250	9 46	7 26	232.3	9.92	7.0...11.7	1827.52	Z 3	7.0 yel'sk
10036	Σ 50, App. I	σ Cygni	9 51	46 23	332.8	20 \pm	...17	1828+	H	} A very yel.: CD blue
					174.0	106.85	3.7... 6.5	1836.18	Z 6	
					323.7	337.83	... 5.0	1835.95	Z 6	
10037	H0 122	DM (28°) 3677	9 56	28 18	72.5	1.07	9.0... 9.7	1886.24	Ho 2	
10038	H 2942	....	9 58	-25 37	210.7	10 \pm	10=10	1830+	H	"Neat"
10039	See 412	L 38839	10 5	-21 38	210.2	25.86	6.3...15	1897.78	See 2	Blood-red (A. J. 43a)
10040	β 983	B. A. C. 6966	10 11	25 14	154.9	0.86	6.1...10.2	1879.86	β 3	
10041	OZ 403	L 38938	10 13	41 44	173.0	0.60	7.0... 7.2	1848.10	OZ 5	} A and B } AB and C }
					33.2	11.83	... 9.5	1848.10	OZ 5	
10042	Σ 2660	O. Arg. W. 20266	10 27	64 9	167.5	22.01	8.2... 9.0	1831.66	Z 2	Wh.: ash
10043	H 2943	....	10 27	-12 50	87.0	3 \pm	11 ...12	1830+	H	"A third near"
10044	Σ 2658	DM (52°) 2657	10 29	52 45	126.9	5.49	7.0... 9.1	1831.62	Z 4	} A and B } 7.0 yel'sk A and C } wh.: 9.1 blue
					216.8	32.07	...10.2	1832.14	Z 3	
10045	Espin 27	DM (46°) 2886	10 32	46 30	338.0	3.86	9.4... 9.5	1899.62	Es 4	(A. N. 3717)
10046	Hu 268	SD (15°) 5609	10 34	-15 32	29.9	3.11	9.3... 9.3	1900.66	Hu 3	(A. J. 494)
10047	β 59	W ² XX ^h . 213	10 36	4 45	118.8	8.79	9.1...11.0	1875.66	Δ 4	
10048	H 2944	DM (59°) 2200	10 39	60 1	184.4	30 \pm	8-9...11	1830+	H	8.3 m. in DM
10049	A 283	L 38943	10 44	33 22	295.9	2.48	6.0...14.0	1901.41	A 3	
10050	H0 123	SD (16°) 5552	10 55	-16 12	215.3	2.70	9.0... 9.0	1885.23	Ho 2	
10051	A 387	A. G. Bonn 13945	10 56	40 56	151.6	4.89	7.7...13.6	1902.82	A 2	(Bul. L. O. No. 89)
10052	H. N. 127	....	20 11 \pm	-12 55	....	II-III	....	1801.67	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
10053	A 389	A. G. Camb. 11065	20 ^h 11 ^m 0 ^s	26° 41'	210° 5	1' 50	9.3... 9.6	1902.77	A 3	(<i>Bul. L. O. No. 29</i>)
10054	β 295	α ² Capricorni	11 0	-12 53	181.9	43.46	4 ... 13.5	1891.83	β 2	A and B }
					221.1	44.32	... 9.0	1879.49	β 3	A and C }
10055	A 388	A. G. Bonn 13950	11 2	42 27	35.5	0.68	9.5... 9.5	1902.86	A 2	(<i>Bul. L. O. No. 29</i>)
10056	A 390	A. G. Bonn 13955	11 13	40 8	324.3	0.68	8.4... 11.0	1902.86	A 2	(<i>Bul. L. O. No. 29</i>)
10057	A. G. Clark 12	α ² Capricorni	11 24	-12 55	144.1	6.36	3 ...	1846.72	Mh 13	A and BC }
					242.5	1.15	12 ... 13	1877.93	Hl 4	B and C }
10058	Σ 51, App. I	α ² and α ² Capricorni	11 24	-12 55	291.4	374.50	3.2... 4.2	1835.70	Z 5	Yes
10059	Σ 2659	W ² XX ^h . 403	11 38	43 17	317.9	2.89	8.1... 9.9	1831.98	Z 4	A and B }
					252.6	20.23	... 9.4	1831.98	Z 4	A and C }
10060	S 743	32 Cygni	11 46	47 21	175.6	208.49	5 ... 9	1824.66	S 2	
10061	A. G. 251	DM (5°) 4469	11 51	5 49	187.4	9.02	8.6... 10.0	1894.94	Lp	
10062	H 5512	....	12 1	8 39	....	....	11 ...	1827.6	H	
10063	β 442	W ² XX ^h . 417	12 4	37 13	104.1	18.47	8.0... 8.5	1876.77	β 1	A and B }
					48.6	17.69	... 8.5	1876.77	β 1	B and C }
					157.5	4.40	....	1876.77	β 1	A and α
					156.7	9.01	....	1888.60	β 1	A and β
					332.5	19.55	....	1876.77	β 1	A and c
					128.1	3.68	... 14	1898.76	β 1	B and d
					164.3	8.12	....	1876.77	β 1	B and e
					110.3	12.65	....	1898.60	β 1	C and f
					116.2	20.83	....	1898.60	β 1	C and g
					306.1	15.57	....	1898.60	β 1	C and h
10064	Ho 588	W ² XX ^h . 411	12 7	31 8	15.0	8.19	8.3... 12	1896.12	Ho 3	B and C } (<i>A. N. 3557</i>)
					298.7	51.03	6.5... 8.3	1896.24	Ho 2	A and B }
10065	H 911	SD (3°) 4842	12 8	- 3 7	130±	12±	10 ... 10+	1820+	H	9.1 m. in SD
10066	Ho 455	DM (53°) 2375	12 9	53 47	87.7	31.98	7.0... 11.0	1889.76	Ho 1	A and B }
					190.4	2.68	... 11.0	1889.76	Ho 1	B and C }
					256.3	32.27	... 11.0	1889.76	Ho 1	A and D }
					76.2	36.66	... 10.0	1889.76	Ho 1	A and E }
10067	A 284	DM (32°) 3766	12 13	32 12	259.1	0.40	9.1... 9.5	1901.52	A 3	
10068	Hu 356	SD (12°) 5686	12 17	-12 24	91.0	0.72	9.4... 9.5	1901.28	Hu 3	(<i>Bul. L. O. No. 29</i>)
10069	Ho 590	DM (39°) 4112	12 20	39 17	202.0	2.86	8.5... 11.5	1895.73	Ho 2	A and B } (<i>A. N. 3557</i>)
					83.0	26.28	... 13	1895.73	Ho 2	A and C }
10070	Sh 380	α Capricorni	12 28	-19 30	176.4	53.70	6 ... 12	1823.69	Sh 1	
10071	Σ 2663	W ² XX ^h . 435	12 30	39 20	324.9	5.27	8.0... 8.5	1831.15	Σ 3	White
10072	β 984	DM (25°) 4184	12 31	26 0	204.1	0.86	7.9... 8.2	1880.47	β 2	
10073	Ho 591	....	12 33	27 31	296.7	1.96	9.5... 10	1897.71	Ho 2	(<i>A. N. 3557</i>)
10074	OΣ 404 ref.	L 39063	12 34	52 8	114.2	29.93	7.0... 9.5	1867.38	Δ 3	
10075	Hu 585	DM (50°) 3038	12 34	50 46	49.8	4.81	8.8... 10.0	1902.54	Hu 3	(<i>Bul. L. O. No. 29</i>)
10076	β 441	L 39013	12 37	28 46	65.4	5.87	7.0... 11.5	1876.80	β 1	
10077	β 661	Cygni 166	12 39	40 0	67.0	12.60	6.2... 12.5	1878.52	β 2	
10078	H 2945	....	12 40	6 41	66.0	4±	13 = 13	1830+	H	
10079	H 2946	....	12 41	17 10	226.6	12±	10-11... 11	1830+	H	
10080	Hu 357	DM (17°) 4282	12 49	17 57	197.0	1.87	7.5... 12.6	1901.68	Hu 3	(<i>Bul. L. O. No. 29</i>)
10081	Σ 2662	DM (10°) 4241	12 50	10 37	38.9	1.72	8.2... 11.0	1831.02	Z 4	8.2 wh.
10082	Howe 53	Var. 8800	12 51	-29 30	188.8	4.27	9.0... 9.0	1877.66	Cin 1	
10083	H 2947	....	12 55	21 0	241.0	3±	11 ... 11+	1830+	H	
10084	H 912	....	12 55	19 39	85±	2±	11 ... 11+	1820+	H	
10085	Σ 2675	κ Cephei	12 56	77 21	124.1	7.37	4.0... 8.0	1832.38	Z 3	Greenish wh.: blue
10086	H 5188	B. A. C. 6984	12 58	-29 36	70.5	4±	7½... 10	1834.6	H	A and B }
					324.7	25±	... 8	1834.6	H	A and C }
10087	H 1500	DM (33°) 3843	13 1	33 9	110.8	10±	10 ... 12	1828+	H	
10088	H 1498	....	13 9	10 50	209.0	10±	10 ... 11	1828+	H	"Unless P=99°0"
10089	See 414	Ord. G. C. 27849	20 13 9	-27 33	51.9	2.41	8.5... 9.1	1897.72	See 1	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
10090	β 985	W ² XX ^h . 448	20 ^h 13 ^m 12 ^s	25° 16'	148° 7'	5'.03	7.5...13.5	1880.66	β 3	A and B } C and D }
					63.7	9.83	...13.0	1898.83	A 2	
					356.0	21.39	...10.3	1880.66	β 3	A and C }
10091	Barnard 11	DM (32°) 3773	13 18	32 49	199.9	0.26	9.0... 9.5	1898.34	Bar 3	A and B }
					258.1	2.82	...13	1898.20	Bar 5	AB and C }
10092	Hu 358	SD (11°) 5300	13 24	-11 31	95.5	0.47	9.1...10.5	1901.61	Hu 3	(Bul. L. O. No. 12)
10093	Kr 49	A. G. Hols. 11231	13 29	55 20	114.3	1.83	9.5... 9.7	1890.77	β 1	
10094	A. G. 252	A. G. Lund 9222	13 31	39 33	126.9	10.61	9.0... 9.1	1902.62	β 2	
10095	A 285	A. G. Bertin 7628	13 33	21 19	298.7	2.68	8.8...12.3	1901.41	A 2	
10096	Σ 2667	O. Arg. W. 20335	13 37	45 16	225.7	8.07	8.2... 8.5	1830.82	Z 2	Very wh.
10097	Σ 2661	L 39016	13 38	- 2 37	342.4	24.33	7.5... 8.7	1828.95	Z 4	White
10098	H 1501	DM (28°) 3699	13 42	28 10	359.5	5±	10 ...11	1828+	H	A and B } C and D } "Double-double"
					2.3	....	....	1828+	H	
10099	Σ 2665	DM (13°) 4356	13 46	14 0	17.2	3.14	6.5... 9.2	1829.79	Z 3	6.5 wh.
10100	Σ 2666	Cygni 172	13 52	40 21	242.0	2.73	6.5... 8.7	1831.16	Z 3	Very wh.: bluish
10101	H 913	....	13 57	2 46	277±	4±	10 ...10+	1820+	H	H (V) 280° 9: 8" ±: 11...11
10102	Σ 2684	DM (12°) 4291	14 0	12 38	322.5	27.69	7.7... 8.2	1829.07	Z 3	White
10103	OS 405	W ² XX ^h . 481	14 0	32 53	152.6	0.61	7.7... 8.7	1846.43	OS 3	
10104	Lamont 5	ν Capricorni	14 0	-13 8	28.0	56.33	....	1836	Mu 1	
10105	β 662	SD (20°) 5904	14 0	-19 59	300.6	1.61	9.0...11.7	1898.74	Cg 3	
10106	Barnard 12	β^2 Capricorni	14 2	-15 10	105.8	0.85	6.0...10.0	1884.59	β 3	
10107	A 391	DM (24°) 4086	14 3	24 18	274.6	0.76	9.0...10.7	1902.78	A 3	(Bul. L. O. No. 29)
10108	H 2951	DM (39°) 4001	14 9	39 33	126.3	12±	9-10...10	1830+	H	
10109	A 286	W ² XX ^h . 491	14 10	34 44	128.7	0.16	9.0... 9.0	1901.76	A 3	A and B } AB and C } AC = β 986
					242.1	4.41	8.1...11.4	1880.51	β 5	
10110	H 2949	....	14 15	7 57	312.2	4±	11 ...12	1830+	H	
10111	H 2948	....	14 15	-15 10	322.2	3±	17 ...18	1830+	H	
10112	Σ 52, App. I	β^2 and β^2 Capricorni	14 16	-15 10	267.2	204.97	2.5... 6.0	1835.70	Z 5	Very yell.: blue
10113	Schj. 25	L 39053	14 20	- 8 7	219.9	2.73	8.7... 9.5	1875.51	A 4	
10114	H 2950	DM (17°) 4291	14 32	17 10	290.8	12±	10 ...11	1830+	H	
10115	β 1206	L 39115	14 36	36 23	3.0	1.90	7.8...10.8	1890.52	β 3	
10116	Ho 125	DM (38°) 4003	14 36	38 38	194.6	2.80	7.0...11.3	1885.45	Ho 3	
10117	Hu 359	DM (18°) 4460	14 38	18 26	30.9	0.32	9.5... 9.5	1901.64	Hu 4	(Bul. L. O. No. 12)
10118	Ho 124	W ² XX ^h . 514	14 43	42 21	1.2	0.80	8.3...11.0	1886.85	Ho 2	
10119	H 1503	DM (41°) 3699	14 46	42 4	82.0	10±	10 ...11	1828+	H	
10120	A. G. 253	A. G. Lund 9257	14 46	36 13	118.5	9.52	8.6... 8.8	1902.62	β 2	
10121	Ho 126	DM (38°) 4007	14 54	38 36	146.7	2.89	9.7... 9.7	1886.81	Ho 2	
10122	Arg. 37	O. Arg. W. 20360	14 56	44 59	88.9	6.81	7.0... 8.0	1879.61	Cin 1	
10123	H 1502	....	14 57	12 3	327.3	5±	10 ...12	1828+	H	
10124	H 2952	DM (23°) 3974	14 58	24 2	275.0	15±	9 ...13	1830+	H	
10125	Hu 360	DM (16°) 4227	15 1	16 11	136.7	0.22	9.3... 9.3	1901.75	Hu 3	(Bul. L. O. No. 12)
10126	Kr 50	A. G. Hols. 11252	15 1	56 55	310.7	2.21	9.0... 9.5	1890.75	β 1	
10127	See 416	O. Arg. S. 20435	15 6	-28 4	63.3	1.00	9 ... 9	1897.66	See 1	A and B } AB and C }
					254.4	27.30	...13	1897.66	See 1	
10128	Hu 158	Lam. 7462	15 14	2 28	16.3	1.27	9.5...10.0	1888.71	Com 3	
10129	Ho 277	SD (8°) 5330	15 14	- 8 8	70.4	2.82	8.3...12.7	1888.75	Ho 2	
10130	H 2953	W ² XX ^h . 342	15 16	8 14	260.4	18±	9 ...16	1830+	H	
10131	H. W. 138	SD (17°) 5954	15 23	-17 10	330.6	2.93	8.0... 8.5	1878.72	β 1	
10132	H 914	....	15 24	- 1 11	89±	15±	11 ...11	1820+	H	
10133	Arg. 38	O. Arg. S. 20438	15 25	-20 37	267.6	17.92	9.8...10.0	1879.60	Cin 2	
10134	β 431	W ² XX ^h . 530	15 25	35 53	220.8	0.56	8.5... 8.8	1877.33	A 6	
10135	Σ 2671	DM (54°) 2329	15 27	55 1	341.1	2.99	6.0... 7.4	1831.11	Z 4	Wh.: ash
10136	OS (App) 205	L 39156	15 30	40 46	319.2	45.45	7.0... 8.3	1875.51	A 3	
10137	H 2954	DM (19°) 4375	15 30	19 25	299.5	1½±	10-11...11	1830+	H	
10138	Ho 593	DM (39°) 4138	15 39	39 15	313.8	4.68	8.7...10.5	1895.68	Ho 2	(A. N. 3558)
10139	β 763	ν Sagittarii	20 15 43	-42 48	211.2	1.33	6.0... 8.9	1889.47	β 4	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
10140	Σ 2668	<i>Cygni</i> 176	20 ^h 15 ^m 54 ^s	39° 2'	293°6	3'30	7.0... 9.2	1831.14	Z 3	<i>Yellowish wh.; ash</i>
10141	OZ 406	L 39177	15 54	44 59	136.3	0.54	7.1... 8.0	1845.81	OZ 3	
10142	H 2956	....	15 59	58 17	258.4	2±	12 = 12	1830+	H	
10143	See —	L 39116	16 15	-18 43	108.8	2.43	8.0... 8.6	1897.75	See 2	
10144	Ho 456	Cord. G. C. 27925	16 18	-27 7	215.2	14.39	8.0... 13.0	1889.76	Ho 2	
10145	H 2955	....	16 22	1 32	268.0	4±	11 ... 13	1830+	H	
10146	β 1207	L 39198	16 25	43 28	217.8	5.76	7.7... 13.5	1890.58	β 3	
10147	Σ 2672	W ² XX ^b . 552	16 25	23 23	278.4	1.07	8.7... 8.8	1831.80	Z 3	<i>White</i>
10148	β 1259	W ² XX ^b . 563	16 27	30 13	171.9	0.47	8.3... 8.7	1891.65	β 3	
10149	β 1260	DM (55°) 2368	16 33	55 19	169.4	0.47	8.2... 10.8	1891.57	β 3	
10150	Ho 127	W ² XX ^b . 577	16 35	39 6	89.6	1.59	8.5... 13	1886.26	Ho 2	
10151	H N. 138	....	16 36:	-17 20:	....	CL I	....	1801.78	H	
10152	Espin 28	....	16 36	35 14	256.3	24.32	9.1... 9.8	1899.70	Es 1	"A very red." (A. N. 3717)
10153	H 2958	....	16 40	62 50	329.9	4±	11 ... 12	1830+	H	
10154	Σ 2670	DM (15°) 4142	16 42	16 0	151.3	30.62	8.3... 8.7	1829.76	Z 3	A and B } AB <i>yel.</i> : wh.
					77.7	16.45	... 10.7	1829.76	Z 3	B and C }
10155	Σ 2669	DM (55°) 2374, 2372	16 56	55 45	260.3	23.25	8.3... 9.0	1832.14	Z 3	<i>White</i>
10156	A 287	A. G. Bonn 14091	16 56	41 5	129.4	1.42	8.9... 11.0	1901.92	A 3	
10157	See 418	Cord. DM (25°) 14744	17 0	-25 22	53.0	2.87	8.1... 9.2	1897.82	See 1	
10158	A 725	A. G. Bonn 14093	17 0	44 14	50.4	0.96	8.8... 9.8	1904.39	A 3	
10159	A 46	A. G. Bonn 14095	17 1	43 18	267.6	0.23	8.5... 8.7	1901.93	A 3	A and B }
					264.3	1.86	... 11.7	1901.90	A 3	AB and C }
10160	Σ 2673	DM (12°) 4307	17 6	12 57	335.1	2.53	8.0... 9.5	1830.71	Z 3	A and B }
10161	Σ 2674	....	....	....	1.3	15.51	8.0... 10.7	1829.62	Z 2	C and D } AC <i>wh.</i> : <i>yel.</i> <i>ash</i>
					105.6	75.58	....	1829.62	Z 2	A and C }
10162	H 1505	W ² XX ^b . 603	17 10	43 12	110.8	15±	9 ... 11	1828+	H	
10163	β 663	L 39260	17 19	53 13	313.6	6.58	6.3... 15.2	1891.54	β 2	A and B }
					75.2	7.67	... 12.5	1891.53	β 3	A and C }
10164	H 1504	W ² XX ^b . 600	17 28	25 55	239.7	12±	7 ... 13	1828+	H	A and B }
					250±	25±	... 12	1828+	H	A and C }
10165	H.C. Wilson 19	DM (5°) 4496	17 33	5 12	359.7	1.80	10.7... 10.7	1893.39	W 3	
10166	Σ 2676	DM (26°) 3884	17 49	26 45	173.8	2.19	7.8... 10.0	1831.50	Z 3	<i>7.8 yel. ash</i>
10167	A 288	A. G. Berlin 7671	17 50	20 29	351.6	0.26	8.2... 8.4	1901.39	A 3	
10168	β 665	γ <i>Cygni</i>	17 55	39 52	305.1	1.41	10.0... 11.0	1878.52	β 2	B and C }
					196.5	140.44	2.3...	1878.52	β 3	A and BC }
10169	H 915	....	17 59	-4 31	330±	5±	11 ... 15-16	1820+	H	A and B }
					45±	15±	... 11	1820+	H	A and C }
10170	Σ 2677	P XX ^b . 116	18 31	0 41	28.7	33.18	6.0... 10.5	1828.47	Z 3	
10171	H 1510	DM (47°) 3089	18 31	47 23	151.9	3±	10 = 10	1828+	H	
10172	H 2957	....	18 35	-24 4	....	15±	10-11... 10-11	1830+	H	
10173	OZ (App) 206	W ² XX ^b . 643	18 35	38 50	256.8	42.65	7.0... 8.4	1876.31	A 3	
10174	H 1506	W ² XX ^b . 637	18 35	35 18	199.5	6±	8-9... 14	1828+	H	A and B }
					191.1	20±	... 12	1828+	H	A and C }
10175	A 726	A. G. Bonn 14136	18 36	45 50	289.0	0.64	8.9... 9.8	1904.39	A 3	
10176	β 664	<i>Aquilae</i> 264	18 36	5 7	285.1	9.66	7.0... 12.5	1878.62	β 1	
10177	H 1511	...	18 38	47 23	237.5	10±	11 ... 12	1828+	H	
10178	H 2959	....	18 41	8 53	279.0	10±	9-10... 11	1830+	H	
10179	A 289	A. G. Bonn 14137	18 43	42 20	156.3	3.59	8.3... 11.3	1901.88	A 3	
10180	Ho 128	L 39300	18 47	42 36	34.6	0.95	6.3... 11.0	1886.85	Ho 2	A and B }
					63.1	96.41	6.5... 7.7	1876.29	A 3	A and C }
10181	Hu 361	DM (18°) 4485	18 50	18 45	189.7	0.43	8.5... 12.3	1901.64	Hu 3	(<i>Bul. L. O. No. 18</i>)
10182	Σ 2679	DM (19°) 4396	18 59	19 11	79.8	21.90	7.4... 8.7	1830.47	Z 4	<i>7.4 wh</i>
10183	Lewis 34	....	19 :	42 45:	176.0	1.55	8 ... 9	1900.66	L 1	(<i>M. N. LXI, 486</i>)
10184	H 1507	....	19 2	14 15	67.0	5±	10 ... 10-11	1828+	H	
10185	H 1508	....	19 3	14 20	70±	5±	....	1828+	H	
10186	H 1509	DM (9°) 4523	20 19 8	9 52	182.0	20±	9 ... 9-10	1828+	H	

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
10187	β 666	DM (53°) 2392	20 ^h 19 ^m 9 ^s	53° 15'	124° 7'	2' 00	9.0...12.0	1877.86	Δ 1	
10188	β 443	L 39293	19 12	28 37	134.3	12.98	7.5...11.5	1878.47	β 1	A and B }
					87.4	35.22	...12.0	1878.47	β 1	A and C }
10189	Σ 2680	DM (14°) 4284	19 14	14 29	289.0	15.84	8.3... 8.5	1829.42	Z 3	White
10190	Howe 54	O. Arg. S. 20494	19 15	-27 1	54.5	2.59	8.1... 8.3	1889.75	Ho 2	
10191	Σ 2678	SD (8°) 5357	19 21	- 8 41	320.6	3.46	9.0... 9.2	1830.06	Z 3	
10192	Ho 457	W ^a XX ^b . 662	19 25	29 0	63.4	1.62	8.2... 8.2	1889.78	Ho 1	
10193	H 1512	....	19 25	28 38	166.5	4 \pm	10-11=10-11	1828+	H	
10194	β 1134	DM (63°) 1618	19 29	63 36	80.8	4.32	5.8...12.7	1889.48	β 3	
10195	A 727	A. G. Bonn 14160	19 35	47 44	65.0	0.50	8.8...10.0	1904.45	A 2	
10196	Σ 2681	O. Arg. W. 20469	19 35	53 2	41.8	6.60	7.3...10.8	1831.24	Z 3	A and B }
					203.6	41.84	....	1831.24	Z 3	A and C }
					102.5	21.97	8.0...11.0	1830.95	Z 2	C and D }
10197	H 2960	....	19 37	- 2 18	230.3	6 \pm	11 ...13	1830+	H	
10198	A. G. 254	A. G. Liden 8207	19 46	31 49	345.8	5.43	9.1... 9.8	1902.61	β 2	
10199	H 1513	O. Arg. W. 20471	19 48	46 8	322.0	8 \pm	9 ...11	1828+	H	
10200	A 728	DM (-1°) 3980	19 51	- 1 4	339.4	0.34	9.0... 9.2	1904.46	A 1	
10201	Hn 586	SD (19°) 5815	19 56	-19 14	135.8	0.81	8.8...12.5	1901.38	Hu 3	(Bul. L. O. No. 27)
10202	H.C. Wilson 20	....	20 :	-27 10:	21.5	7.02	8.0... 9.3	1882.61	W 1	
10203	β 432	W ^a XX ^b . 698	20 12	35 23	195.2	1.24	8.6... 9.9	1877.23	Δ 5	
10204	A 290	DM (33°) 3894	20 14	33 40	134.4	0.23	8.5... 8.5	1901.94	A 3	
10205	H 2965	....	20 21	58 27	85.0	12 \pm	11 = 11	1830+	H	
10206	A 392	DM (24°) 4123	20 27	24 40	298.1	0.82	9.0...11.2	1902.78	A 3	(Bul. L. O. No. 29)
10207	β 60	π Capricorni	20 27	-18 36	145.2	3.27	5.1... 8.7	1874.96	Δ 4	A and B }
					43.5	38.12	...14.0	1898.56	A 2	A and C }
10208	Σ 2682 rej.	DM (24°) 4125	20 33	24 57	301.1	20.27	8.2... 9.4	1904.46	β 2	
10209	H 1514	DM (45°) 3172	20 44	45 5	212.8	9 \pm	9 ...12	1828+	H	
10210	H 2962	....	20 46	17 19	114.3	10 \pm	10 ...11	1830+	H	
10211	A 47	DM (35°) 4108	20 53	35 30	175.7	1.40	9.3... 9.8	1899.36	A 3	(A. N. 3635)
10212	H 2965	....	21 5	5 28	....	....	....	1830+	H	
10213	Δ 22	Rnd ^a . 4777	21 10	39 42	139.7	2.76	7.9... 9.0	1875.13	Δ 4	
10214	A 291	A. G. Bonn 14186	21 11	43 32	144.0	0.70	8.7...10.6	1901.90	A 4	A and B }
					104.2	17.49	...10.0	1901.84	A 1	A and C }
10215	Σ 2685	O. Arg. W. 20517	21 13	63 48	348.8	4.24	8.5... 9.1	1833.00	Z 4	White
10216	S 749	P XX ^b . 140	21 14	- 2 30	189.4	59.87	6 $\frac{1}{2}$... 7	1825.00	S 3	
10217	H 268	....	21 14:	10 51:	240 \pm	15 \pm	10 ...12	1820+	H	
10218	Σ 2694	DM (80°) 650	21 17	80 9	345.9	3.72	6.5...10.5	1832.60	Z 3	6.5 wh.
10219	Ho 129	L 39370	21 20	16 33	145.9	4.78	8.3...13	1886.71	Ho 2	
10220	Ho 130	DM (36°) 4068	21 42	36 48	285.4	1.43	8.5... 8.7	1883.73	Ho 2	
10221	Σ 2683	L 39345	21 44	-13 33	67.1	22.79	8.0... 8.5	1830.40	Z 3	White
10222	A. G. 255	A. G. Lund 9379	21 45	37 4	287.9	5.04	9.2... 9.4	1902.61	β 2	
10223	Ho 278	DM (39°) 4186	21 45	40 0	172.9	0.25 \pm	7 ... 7	1886.82	Ho 1	(A. N. 2977)
10224	H 2966	....	21 46	7 39	263.5	2 \pm	11 ...12	1830+	H	"Neat"
10225	A 393	A. G. Camb. 11317	21 46	27 40	210.4	0.37	8.7... 9.2	1902.86	A 3	(Bul. L. O. No. 29)
10226	H 917	....	21 49	2 47	45 \pm	3 \pm	12 = 12	1820+	H	
10227	H 916	DM (-0°) 4010	21 50	- 0 33	258.9	12 \pm	9 ...12	1830+	H	
10228	Sh 323	ρ Capricorni	22 1	-18 13	177.3	4.02	5 ...10	1823.78	Sh 2	A and B }
					151.4	55.21	...13.2	1891.49	β 3	A and C }
					150.7	238.02	... 7	1823.78	Sh 2	A and D }
10229	H 2964	Corr. DM (25°) 14806	22 5	-25 33	52.2	30 \pm	9-10...10	1830+	H	
10230	H 5202	Corr. DM (30°) 17945	22 8	-30 25	82.0	10 \pm	9 $\frac{1}{2}$...10	1834.6	H	
10231	A. G. 256	DM (9°) 4541	22 9	9 34	354.9	5.83	9.2... 9.7	1895.67	Lp	
10232	A 292	A. G. Bonn 14207	22 10	41 1	137.8	1.85	9.0...11.0	1901.92	A 3	
10233	H 1515	....	22 13	33 5	24.4	10 \pm	10 ...11	1828+	H	
10234	Cordoba	O. Arg. S. 20539	22 23	-27 43	21.8	7.39	7.6...11.2	1897.72	See 1	
10235	H 1516	Rnd ^a . 4792	20 22 26	54 17	147.5	20 \pm	7 ...10	1828+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
10236	H 918	....	20 ^h 22 ^m 26 ^s	- 7° 17'	320° ±	3" ±	11 ... 11+	1820+	H	"Very neat star"
10237	A 730	A. G. Hela. 11351	22 36	59 13	313.8	0.21	6.8... 7.0	1904.48	A 1	
10238	A 293	A. G. Bonn 14224	22 38	41 28	118.7	1.29	9.1... 9.2	1901.86	A 3	
10239	H 2967	....	22 39	3 27	314.8	6 ±	11 = 11	1830+	H	"Neat"
10240	Ho 131	W ^o XX ^h . 759	22 49	18 23	322.8	4.54	7.8... 11.2	1881.64	Ho 3	
10241	Hn 38	Schf. 8070	22 49	- 8 25	297.8	2.66	8.5... 11.2	1881.69	β 3	
10242	H 2969	....	22 52	16 49	171.8	4 ±	11 = 11	1830+	H	"Neat"
10243	H 2968	....	22 56	3 2	52.2	12 ±	11 ... 11+	1830+	H	
10244	H 3170	....	23 ±	89 53	57.8	10 ±	9-10... 12	1830+	H	
10245	H 1518	....	23 0	45 15	86.5	10 ±	10 ... 10-11	1828+	H	
10246	Sh 324	o Capricorni	23 1	-18 59	239.7	22.06	6 ... 7	1823.73	Sh 2	
10247	β 62	L 39445	23 6	29 44	135.5	1.20	8.5... 9.4	1875.52	Δ 4	
10248	Hu 159	SD (12°) 5743	23 7	-12 41	282.9	1.25	10.5... 10.8	1888.73	Com 3	
10249	A 610	A. G. Leip. II. 10116	23 10	6 46	189.6	0.50	8.5... 9.1	1901.63	A 3	(Bul. L. O. No. 92)
10250	H 2972	....	23 14	59 54	248.1	8 ±	10-11... 12	1830+	H	
10251	A 731	A. G. Hela. 11368	23 18	59 47	214.0	2.17	7.3... 12.5	1904.48	A 1	
10252	H 1517	DM (29°) 4047	23 20	30 0	105.5	8 ±	10 = 10	1828+	H	
10253	H 2970	DM (3°) 4349	23 21	3 7	184.2	8 ±	10 = 10	1830+	H	"Neat"
10254	A 732	A. G. Bonn 14246	23 25	47 1	76.9	0.66	9.0... 9.2	1904.45	A 2	
10255	Ku 59	DM (23°) 4030	23 27	23 41	139.4	33.24	9.5... 9.5	1901.62	Ku 2	A and B } Kutter (382)
					316.4	4.14	... 10.3	1901.62	Ku 2	B and C }
10256	Σ 2687	Cephei 37	23 29	56 15	119.0	26.22	6.5... 8.3	1831.55	Z 3	Wh.: ash
10257	β 433	DM (55°) 2399	23 36	55 55	208.6	7.38	9.0... 11.2	1892.74	W 2	A and B }
					244.8	27.09	... 10.0	1892.74	W 2	A and C }
10258	Σ 2686	DM (9°) 4550	23 58	9 54	279.3	27.71	8.3... 9.8	1825.83	Z 3	8.3 yr ash
10259	A 394	A. G. Camb. 11366	23 58	26 34	283.5	0.55	9.0... 10.3	1902.86	A 3	(Bul. L. O. No. 93)
10260	H 1519	....	24 5	27 6	234.3	8 ±	10-11... 13	1828+	H	
10261	OZ 526	L 39835	24 6	80 47	169.4	1.32	7.8... 10.0	1851.83	OZ 2	
10262	H 1522	....	24 9	58 36	93.4	13 ±	10 ... 14	1828+	H	
10263	Hu 587	DM (48°) 3130	24 17	48 6	356.2	0.76	9.0... 10.5	1902.55	Hu 3	(Bul. L. O. No. 97)
10264	β 363	Vulpeculae 93	24 28	20 12	62.8	21.77	7.0... 11.0	1878.71	β 1	
10265	Ho 594	L 39512	24 29	35 26	208.8	18.39	7 ... 12.7	1894.31	Ho 2	(A. N. 3558)
10266	β 63	1 Delphini	24 33	10 30	343.3	0.84	6.0... 8.0	1874.92	Δ 4	A and B }
					346.6	16.79	... 14.2	1898.55	β 2	A and C }
10267	H 1521	DM (30°) 4052	24 33	30 24	188.0	12 ±	9-10... 11-12	1828+	H	
10268	H 1520	....	24 34	25 46	332.5	13 ±	11 ... 12	1828+	H	
10269	Weisse 35	W ^o XX ^h . 828	24 42	37 7	214.5	3.88	8.0... 8.5	1883.82	En 5	A and B }
					99.5	86.91	....	1883.78	En 4	A and C }
					203.3	11.86	8.9... 10.4	1883.78	En 3	C and D }
10270	S 750	DM (25°) 4262	24 45	26 0	324.2	66.71	8½... 8½	1825.58	S 2	
10271	β 987	L 39506	24 50	19 1	127.7	2.32	7.2... 11.5	1880.15	β 5	A and B }
					288.6	105.38	... 7½	1824.98	S 3	A and C }
10272	O. Stone 50	....	25 :	39 57:	170.4	6.30	9.0... 10.0	1879.61	Cin 1	Cin ⁵
10273	H 1524	DM (50°) 3104	25 7	50 14	129.9	4 ±	10 ... 11-12	1828+	H	"Elegant." 8.5 m. in DM
10274	H 1523	DM (40°) 4197	25 9	40 36	357.4	15 ±	9-10... 10	1828+	H	8.7 m. in DM
10275	Σ 2688	DM (13°) 4418	25 10	13 23	172.8	5.56	8.7... 9.8	1829.97	Z 4	
10276	β 1135	L 39561	25 10	45 20	338.3	1.53	8.3... 10.7	1889.53	β 4	
10277	H 2973	O. Arg. 8. 20580	25 12	-22 34	132.2	40 ±	8-9 = 8-9	1830+	H	
10278	A. G. 257	A. G. Alb. 7147	25 13	4 48	51.6	1.80	9.2... 9.2	1903.59	A 3	
10279	Σ 2691	DM (37°) 3952	25 14	37 43	32.8	17.08	8.0... 8.2	1831.56	Z 3	White
10280	Σ 2693	O. Arg. W. 20612	25 14	54 6	13.7	13.57	8.0... 9.0	1830.93	Z 2	White
10281	Da 1	P XX ^h . 177	25 28	10 51	256.3	14.19	7.0... 7.2	1831.26	Z 4	A and BC }
					212.3	0.57	7.5... 7.6	1846.95	OZ 4	B and C }
					108.4	23.40	... 12	1878.26	β 2	A and D }
10282	H 1525	DM (39°) 4213	25 31	39 57	230.7	7 ±	10 ... 10+	1828+	H	
10283	See 420	Ord. DM (22°) 14788	20 25 32	-22 6	88.3	1.52	8 ... 13	1897.72	See 1	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
10284	A 734	SD (3°) 4930	20 ^h 25 ^m 39 ^s	— 3° 51'	295° 1	1' 66	8.2...13.0	1904.46	A 1	(Bul. L. O. No. 29)
10285	A 395	A. G. Albany 7149	25 39	5 5	160.4	0.72	9.0...10.8	1902.84	A 2	
10286	See —	L 39499	25 44	—17 1	299.8	0.38	7.9... 7.9	1897.75	See 1	
10287	A 170	L 39516	25 44	— 5 39	215.7	1.50	6.8...10.6	1900.62	A 4	
10288	H 2974	DM (19°) 4432	25 47	19 43	287.2	15±	9-10...10	1830+	H	
10289	β 668	B. A. C. 7080	25 49	—10 16	29.0	4.64	6.2...11.7	1878.63	β 1	
10290	Σ 2692	W ^a XX ^b . 863	25 56	26 5	302.0	25.67	8.0... 9.0	1831.27	Z 2	
10291	A 733	A. G. Hale. 11404	25 57	59 51	164.9	1.12	8.0...10.0	1904.48	A 1	
10292	Hu 760	DM (34°) 4056	26 2	34 57	112.3	0.25	9.2... 9.2	1904.47	Hu 3	
					154.4	8±	10 = 10	1828+	H	
10293	H 919	SD (4°) 5168	26 6	— 3 55	330±	8±	10 ...12	1820+	H	B and C } A and BC }
10294	Ho 132	SD (14°) 5775	26 6	—14 7	207.8	6.83	8.5...10.0	1885.23	Ho 2	
10295	Ho 133	W ^a XX ^b . 612	26 10	—13 57	182.1	0.83	8.0... 8.0	1885.23	Ho 2	
10296	A 735	SD (4°) 5169	26 12	— 4 37	271.8	4.34	9.0...11.0	1904.46	A 1	
10297	Hu 161	L 39532	26 17	— 9 18	49.0	2.10	9.2...11.0	1888.72	Com 3	
10298	β 669	ω ^a Cygni	26 20	48 33	342.5	17.26	5.5...13.5	1878.65	β 1	
					86.3	56.28	...10.0	1878.65	β 1	
10299	H 2978	DM (59°) 2243	26 24	59 15	274.6	10±	10 ...10+	1830+	H	
10300	H 1527	....	26 25	13 33	294.5	3±	10 = 10	1828+	H
10301	A. Clark 18	44 Cygni	26 26	36 32	155.3	2.56	6.5...11.5	1859.63	Da 2	"Very neat" (See p. 1083)
10302	H 2975	L 39529	26 30	—22 38	15.5	10±	8 ...14	1830+	H	
10303	W N. 7	....	26 31	—26 9	....	I-II	....	1784.52	H
10304	H 1528	....	26 33	11 56	237.0	8±	11 ...12	1828+	H
10305	Σ 2695	Vulpeculae 94	26 50	25 24	76.5	0.80	6.2... 8.0	1831.78	Z 5	
10306	H 2976	....	26 54	8 33	311.4	12±	10 ...11	1830+	H
10307	Lewis 35	....	27 :	13 32	143.0	0.31	9.0... 9.5	1900.67	L 1
10308	H 1529	SD (6°) 5521	27 0	— 6 38	114.0	25±	7-8...11	1828+	H	
10309	S 755	P XX ^b . 199	27 11	48 48	278.8	61.39	6 ...10	1825.15	S 2	
10310	β 670	DM (13°) 4435	27 17	13 32	58.3	0.76	8.5... 8.8	1877.75	β 2	"A 12 m. star near"
10311	H 2977	DM (17°) 4347	27 21	17 38	330.3	15±	9-10...10	1830+	H	
10312	H 1530	DM (41°) 3790	27 22	41 19	243.1	12±	10 ...10-11	1828+	H	
10313	H 1531	DM (38°) 4134	27 26	38 56	313.7	4±	10 ...11	1828+	H	
10314	Σ 2696	DM (4°) 4484	27 34	5 2	298.9	1.06	8.0... 8.4	1831.06	Z 4	
10315	S 756	ω ^a Cygni	27 36	48 49	319.0	55.79	6 ...12-15	1825.39	S 2	
10316	H 1533	....	27 40	45 16	188.6	6±	11 ...11-12	1828+	H
10317	H 1532	....	27 45	31 16	306.6	10±	11 ...12	1828+	H
10318	β 434	W ^a XX ^b . 941	28 5	41 28	101.1	1.37	9.1... 9.9	1877.29	A 3	
10319	β 1136	L 39698	28 6	49 8	206.6	0.35	8.1... 9.7	1889.54	β 3	A and B } A and C }
10320	Σ 2697 rej.	DM (—0°) 4043	28 13	— 0 53	....	CL IV	8 ...10	....	Z
10321	Ma 8	W ^a XX ^b . 688	28 15	11 41	249.3	18.31	....	1843.80	Ma 1
10322	H 2979	....	28 18	20 46	51.4	10±	10 ...11	1830+	H
10323	H 1540	DM (55°) 2417	28 27	55 46	345.2	15±	9 ...12	1828+	H	
10324	Hu 761	DM (60°) 2132	28 30	60 42	114.8	0.46	8.8... 8.8	1904.48	Hu 1	
10325	H 1535	W ^a XX ^b . 948	28 32	32 58	108±	7±	9 ...13	1828+	H	
					240.3	12±	...11	1828+	H	
10326	β 1208	L 39656	28 38	6 28	335.5	2.94	7.4...12.2	1890.55	β 3	
10327	Σ 2698	L 39686	28 43	27 48	305.5	4.11	8.1... 9.0	1831.30	Z 4	Very wh. "Neat"
10328	A 737	A. G. Hale. 11450	28 43	59 20	63.7	1.48	8.0...12.0	1904.48	A 1	
10329	H 1536	....	28 45	26 34	112.9	6±	12 ...13	1828+	H
10330	Schj. 26	Schj. No. 8144	28 49	4 49	70±	20±	9 ...10	....	....
10331	H 1539	DM (40°) 4227	28 56	40 54	201.4	8±	10 ...11	1828+	H	
					70±	15±	....	1828+	H
10332	H 1538	....	29 1	33 13	128.4	3±	10-11...12	1828+	H
10333	Hu 269	SD (18°) 5718	29 5	—18 23	340.5	2.72	9.0...12.2	1900.65	Hu 2	
10334	W N. 134	....	29 6	—13 22	....	CL I	....	1801.70	H
10335	....	DM (5°) 4556	29 29 14	5 42	63.2	64.00	8.0...10.5	1879.63	Cin 1

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
10336	H 2980	SD (18°) 5719	20 ^h 29 ^m 16 ^s	-18° 53'	193° 5	10" ±	10 ... 13	1830+	H	
10337	H 2981	....	29 16	2 14	8.2	6 ±	10-11...12	1830+	H	
10338	OΣ 408	L 39724	29 19	34 16	192.7	1.68	7.2...10.2	1846.08	OZ 3	7.2 blue
10339	H 5513	....	29 32	0 58	90 ±	....	....	1823+	H	
10340	β 671	O. Arg. N. 20741	29 33	62 3	335.9	0.47	8.0... 8.5	1877.78	Δ 1	
10341	H 609	DM (40°) 4233	29 33	40 9	330 ±	25 ±	10 ... 10½	1820+	H	
10342	H 1537	O. Arg. S. 20642	29 34	-15 43	194.8	1½	10 = 10	1828+	H	
10343	H 1541	DM (46°) 2972	29 39	46 38	268.0	4 ±	10 ... 12	1828+	H	8.7m. in DM
10344	Σ 2700	L 39740	29 55	32 6	286.2	23.97	6.5... 8.3	1831.87	Z 3	Yel.: very blue
10345	O. Stone 51	....	30 :	32 0:	267.5	32.80	8.5... 9.0	1879.37	Cin 1	From Cin ⁵
10346	Ho 279	SD (6°) 5530	30 2	- 6 15	171.7	6.65	9 ... 11	1888.71	Ho 2	
10347	A 396	A. G. Bonn 14413	30 4	43 2	158.7	1.52	8.5...11.3	1902.85	A 3	(Bul. L. O. No. 29)
10348	Weisse 36	W ² XX ^b . 727, 728	30 6	- 3 9	....	....	8-9...	....	....
10349	H 1542	DM (32°) 3868	30 15	32 34	227.4	10 ±	9-10...11	1828+	H	
10350	H 1543	W ² XX ^b . 1007	30 15	32 58	206.2	15 ±	9 = 9	1828+	H	
10351	H 2982	....	30 16	-27 42	128.5	10 ±	10-11...11	1830+	H	H (VIII)
10352	Σ 2699	L 39709	30 17	-13 9	192.2	9.56	8.0... 9.0	1829.87	Z 2	A and B
					180 ±	30 ±	...15	1820+	H	A and C
					165 ±	40 ±	...15	1820+	H	A and D
10353	H 1544	....	30 37	27 29	237.0	3 ±	11 = 11	1828+	H	
10354	H 1545	....	30 46	55 53	175 ±	20 ±	10 = 10	1828+	H	"P est. from diagram"
10355	A. G. 258	DM (9°) 4588	30 51	10 2	10.5	4.50	9.2... 9.4	1894.75	Lp	
10356	OΣ (App) 208	L 39817	30 54	46 26	241.2	76.43	7.3... 8.2	1876.29	Δ 3	
10357	Σ 2702	DM (34°) 4091	30 54	34 45	205.8	3.33	8.5... 8.7	1831.13	Z 3	White
10358	O. Stone 52	Cord. 20 ^h . 1017	31 2	-26 54	245.3	1.42	8.2... 8.5	1879.78	Cin 1	
10359	A 397	DM (42°) 3793	31 4	42 26	216.0	1.12	9.1...12.0	1902.86	A 2	(Bul. L. O. No. 29)
10360	H 1546	DM (55°) 2427	31 8	55 58	255.4	20 ±	9-10...10	1828+	H	
10361	Σ 2703	DM (14°) 4364	31 13	14 19	291.2	25.09	7.6... 7.6	1829.52	Z 4	A and B
					239.4	66.72	... 7.6	1829.40	Z 3	A and C
					217.9	54.38	....	1829.42	Z 3	B and C
10362	Σ 2701	DM (11°) 4331	31 15	11 38	218.8	2.13	7.8... 8.2	1829.76	Z 3	Yel'sk: wh.
10363	β 151	β Delphini	31 55	14 11	15.5	0.65	4.1... 5.4	1874.66	Δ 5	A and B
					116.2	27.66	...12.7	1878.05	β 3	AB and C
					343.8	32.48	3.0...11.0	1829.40	Z 3	AB and D
10364	H 1547	....	31 59	29 25	16.4	12 ±	10 ... 11	1828+	H	
10365	H 1548	....	32 0	37 59	252.8	6 ±	11 ... 11-12	1828+	H	
10366	H 1551	DM (55°) 2429	32 5	55 59	250 ±	20 ±	9-10...10	1828+	II	"P est. from diagram"
10367	β 672	71 Aquilae	32 8	- 1 31	280.8	30.52	6.0...12.5	1878.66	β 2	
10368	H 1552	DM (55°) 2431	32 10	55 56	260 ±	20 ±	9-10...10	1828+	H	"P est. from diagram"
10369	H 1549	....	32 13	47 20	52.3	4 ±	11 ... 14	1828+	H	
10370	A. G. 259	A. G. Lund 9533	32 15	38 41	317.0	2.70	9.1... 9.7	1902.61	β 2	
10371	H 5210	....	32 19	-27 29	270.0	8 ±	9½...11	1834.6	H	
10372	Hu 200	τ ³ Capricornii	32 34	-15 22	269.8	0.17	5.5... 6.8	1900.64	Hu 2	(A. J. 485)
10373	Σ 53, App. I	48 Cygni	32 39	31 9	174.8	178.10	6.0... 6.1	1835.67	Z 5	Wh.: yel'sk wh.
10374	H 920	DM (1°) 4334	32 45	1 37	215 ±	10 ±	9 ... 10	1820+	H	H (V) 210° 6: 12' ± (See p. 1083)
10375	See 423	O. Arg. S. 20698	32 51	-29 18	20.5	0.72	8.2... 9.5	1897.66	See 1	
10376	A 742	A. G. Camb. 11551	32 52	29 18	128.9	1.05	9.5...10.0	1904.48	A 1	B and C
					344.2	58.25	8.0...	1904.48	A 1	A and BC
10377	H 2983	SD (18°) 5736	32 55	-18 52	184.0	12 ±	10 ... 11	1830+	H	
10378	Σ 2705	DM (32°) 3883	32 57	32 57	262.1	3.05	7.1... 8.1	1831.86	Z 4	Yel.: blue
10379	H 1550	....	32 58	21 59	220.5	4 ±	10 ... 11	1828+	H	
10380	A. G. 260	DM (24°) 4202	32 59	24 46	218.2	10.46	8.6...10.2	1902.72	M 3	
10381	H 610	....	33 :	40 4:	175 ±	15-20	10 ... 15	1820+	H	
10382	A 743	A. G. Camb. 11555	33 6	29 33	306.0	1.13	9.0...12.0	1904.48	A 1	
10383	Hu 39	DM (50°) 3145	33 7	50 28	176.3	7.64	8.0...10.8	1881.46	β 3	
10384	A 744	A. G. Camb. 11556	20 33 10	29 28	269.1	0.55	8.8... 8.8	1904.48	A 1	

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
10385	β 435	L 39867	20 ^h 33 ^m 14 ^s	14° 35'	113° 5'	2.86	8.1...10.9	1876.68	Δ 4	
10386	H 2984	I Aquarii	33 16	0 4	215.4	25±	5-6...14	1830+	H	A and B }
					43.5	40±	...14	1830+	H	A and C }
10387	A 398	A. G. Bonn 14473	33 16	42 8	358.4	0.90	8.9...10.2	1902.85	A 3	(Bul. L. O. No. 29)
10388	A. G. 261	A. G. Liden 8372	33 16	30 43	156.0	4.18	9.0... 9.5	1902.63	β 2	
10389	H 1556	....	33 17	55 31	250.0	4±	10 ...11	1828+	H	"Two more stars 12 m. fr"
10390	OZ 533	κ Delphini	33 19	9 40	10.9	10.35	4.7...11.3	1852.47	OZ 4	4.7 yel'sk
10391	H 1553	....	33 26	39 48	99.0	4±	10-11...11	1828+	H	
10392	Schj. 27	L 39871	33 27	10 34	264.5	5.86	8.2... 9.3	1874.37	Δ 3	
10393	H 1555	DM (44°) 3522	33 30	44 39	357.2	10±	9-10...10	1828+	H	
10394	Ho 458	DM (28°) 3823	33 30	28 44	278.5	1.85	9.0... 9.1	1893.77	Ho 1	
10395	β 288	B. A. C. 7146	33 31	15 25	167.8	7.87	7.0...13.5	1878.54	β 1	
10396	H 611	SD (13°) 5729	33 58	-13 44	345±	8±	9 ...10	1820+	H	
10397	Z 2707	DM (47°) 3153	33 59	47 31	196.0	55.37	7.1... 7.9	1832.67	Z 4	A and C }
					31.7	23.05	... 8.6	1832.67	Z 4	A and B } White
10398	Hd 158	....	34 :	- 7 13:	144.5	8.23	8 ... 9	1868.79	Hd 1	
10399	H 5212	....	34 2	-24 36	272±	18±	8½...10	1834.6	H	
10400	Hu 362	DM (18°) 4569	34 3	18 32	305.7	0.51	9.0... 9.4	1901.60	Hu 3	(Bul. L. O. No. 22)
10401	β 298	α Delphini	34 4	15 29	223.8	28.90	4.0...13.5	1891.70	β 2	A and B }
					279.8	42.29	...12	1878.62	β 3	A and C }
					150.2	47.96	...13	1877.82	β 1	A and D }
					308.9	51.65	...12.7	1891.70	β 2	A and E }
					113.8	80.67	...10.8	1879.34	β 2	A and F }
10402	Z 2708	W ² XX ^b . 1140	34 7	38 13	351.7	11.25	7.0... 8.7	1832.63	Z 6	A and B } Yel.: blue
					47.7	14.97	...15	1878.27	H1 2	A and C }
10403	β 1209	SD (17°) 6055	34 9	-17 48	294.3	0.45	9.0... 9.9	1890.66	β 3	
10404	Z 2709	W ² XX ^b . 1133	34 14	21 18	314.7	9.21	8.2...10.0	1830.80	Z 2	8.2 yel.
10405	OZ 409 ref.	L 39897	34 16	3 1	85.5	16.75	6.8...10.3	1866.09	Δ 3	
10406	Espin 88	DM (50°) 3150	34 18	50 41	127.7	7.9	8.6... 9.0	1901	Es	(A. N. 3784)
10407	Ho 135	SD (15°) 5755	34 19	-14 56	223.0	2.44	7.5...12.5	1883.74	Ho 2	
10408	Ho 136	W ² XX ^b . 1139	34 19	28 41	6.2	2.51	8.0...11.5	1882.65	Ho 3	
10409	Z 2710 ref.	W ² XX ^b . 1137	34 19	21 16	....	Cl. IV	8 ...10	....	Z	
10410	H 1557	....	34 20	26 49	207.2	6±	11 ...11	1828+	H	
10411	Espin 89	DM (47°) 3154	34 24	47 39	199.1	16.5	6.5...11.2	1901	Es	(A. N. 3784) (See p. 1083)
10412	H IV. 78	DM (61°) 2039	34 25	62 1	49.4	19.53	....	1783.22	H	
10413	H 2986	O. Arg. B. 20746	34 39	-18 3	188.0	12±	9 ...12	1830+	H	"A third star 13 m. p"
10414	Z 2711	DM (29°) 4124	34 39	30 5	222.5	2.53	8.0... 9.0	1831.43	Z 3	White
10415	Hu 588	DM (49°) 3338	34 43	49 58	246.8	2.26	9.0...11.5	1902.55	Hu 3	(Bul. L. O. No. 27)
10416	H 1558	DM (47°) 3155	34 50	48 5	200.9	5±	10 ...12	1828+	H	
10417	H N. 101	O. Arg. B. 20747	34 54	-30 59	....	Cl. III	....	1793.73	H	
10418	Z 2706	DM (-1°) 4027	34 59	- 1 30	33.6	10.81	8.2...10.8	1828.63	Z 4	8.2 yel.
10419	Hd 159	....	35 :	- 9 0:	235±	5±	....	1868.63	Hd	
10420	Welsch 37	W ² XX ^b . 1168	35 1	37 58	....	....	8 ...	....	....
10421	A 746	A. G. Bonn 14504	35 3	47 16	143.0	2.04	7.5...13.0	1904.42	A 2	
10422	Z 2713	L 39943	35 9	10 9	64.1	4.82	9.0... 9.0	1830.77	Z 3	White
10423	OZ 410	B. A. C. 7158	35 10	40 9	23.3	0.63	6.4... 6.7	1850.60	OZ 7	A and B } 6.7 yel'sk.
					69.8	68.99	... 7.7	1851.45	OZ 4	AB and C } 7.7 golden
10424	A 399	A. G. Bonn 14507	35 16	41.36	74.1	0.68	8.5...10.8	1902.85	A 3	(Bul. L. O. No. 29)
10425	Z 2714	W ² XX ^b . 1171	35 17	29 20	336.2	6.82	8.5...12.0	1831.83	Z 3	8.5 wh.
10426	Z 2717	DM (60°) 2142	35 19	60 20	267.1	2.12	7.2... 9.7	1832.22	Z 3	7.2 yel.
10427	β 267	SD (4°) 5223	35 22	- 4 49	242.4	2.11	9.0... 9.0	1878.68	β 1	
10428	H 921	....	35 27	- 4 55	45±	5±	10 = 10	1820+	H	
10429	H 2987	....	35 33	19 36	116.4	12±	10-11=10-11	1830+	H	
10430	Ho 137	W ² XX ^b . 1181	35 37	29 23	278.9	1.23	6.5...11.0	1885.83	Ho 2	
10431	H 922	....	35 44	21 7	315±	4±	11 ...11	1820+	H	"A 15 m. star at 30° same angle"
10432	See 425	O. Arg. B. 20760	20 35 45	-29 12	224.6	7.80	7.5...12	1896.72	See 2	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
10433	A 747	DM (47°) 3159	20 ^h 35 ^m 48 ^s	47° 9'	135° 6'	0'.27	8.0... 8.2	1904.42	A 2	A and B }
					139.8	6.88	...12.0	1904.42	A 2	AB and C }
10434	A 748	A. G. Bonn 14517	35 50	46 55	28.8	1.35	7.5...13.0	1904.42	A 1	
10435	H 2988	DM (2°) 4227	35 52	2 32	139.7	20±	9 ...11	1830+	H	
10436	Σ 2715	DM (12°) 4431	36 3	12 6	2.3	11.96	7.5...10.1	1830.59	Z 5	7.5 wh.
10437	Σ 2716	49 Cygni	36 11	31 53	49.4	2.73	6.0... 8.1	1830.61	Z 5	Yel.: blue
10438	Σ 2719 rei.	DM (42°) 3827	36 28	42 55	....	Cl. IV	8 ...10	....	Z	(See p. 1083)
10439	β 673	DM (20°) 4680	36 29	20 17	298.1	4.10	7.3...11.8	1878.78	β 2	
10440	H 612	B. A. C. 7167	36 31	38 39	5±	30±	....	1820+	H	
10441	Ho 595	W ⁺ XX ^b . 1204	36 33	22 33	110.9	17.10	7 ...12.2	1896.76	Ho 2	(A. N. 3598)
10442	H 1562	DM (54°) 2393	36 34	54 49	165.6	18±	9-10...10	1828+	H	
10443	Hn 40	O. Arg. S. 20773	36 34	-19 55	357.9	5.33	8.6... 8.9	1881.50	β 2	A and B }
					187.3	4.67	9.1...10.0	1881.50	β 2	C and D }
					257.7	144.71	....	1881.50	β 2	A and C }
10444	Hn 270	SD (19°) 5902	36 40	-19 32	91.9	2.00	9.2... 9.6	1900.65	Hu 2	(A. J. 494)
10445	H 2989	O. Arg. S. 20779	36 43	-22 44	154.9	25±	9 ...12	1830+	H	
10446	H 2990	SD (20°) 5807	36 48	-20 57	317.7	12±	9-10...15	1830+	H	
10447	Σ 2718	DM (12°) 4440	36 52	12 18	86.6	8.30	7.4... 7.6	1831.29	Z 6	White
10448	A. G. 262	A. G. Alb. 7239	37 3	2 27	273.7	4.74	9.2... 9.3	1903.40	M 3	Miller (A. J. 554)
10449	H 1560	....	37 5	35 28	246.6	5±	11 ...13	1828+	H	A and B }
					70±	10±	...14	1828+	H	A and C }
10451	H 1561	DM (28°) 3857	37 18	28 12	275.0	4±	10 ...11	1828+	H	"Fine"
10452	H 2991	O. Arg. S. 20790	37 20	-24 5	211.8	30±	9=9	1830+	H	A and C }
					95.7	10±	...12	1830+	H	A and B }
10453	H. N. 73	α Cygni	37 20	44 51	106.0	75.45	1 ...11.4	1879.35	β 3	
10454	A. G. 263	A. G. Lund 9608	37 29	38 2	69.7	1.66	9.5... 9.7	1902.58	β 2	
10455	Hn 162	Schj. 8240	37 33	-14 8	140.8	1.72	9.8...10.1	1888.72	Com 3	
10456	See 427	Cond. DM (23°) 16453	37 37	-23 37	177.4	1.57	8.3...13.5	1896.86	See 3	
10457	H 1567	O. Arg. S. 20797	37 42	-15 28	345.3	25±	8-9...11	1828+	H	
10458	H 1569	....	37 50	58 32	309.8	3±	10-11...11	1828+	H	
10459	β 674	Yar. 9020	37 53	-21 19	103.4	1.35	8.0...10.8	1879.78	Cin 1	
10460	H 923	....	37 55	0 23	60±	4±	13 ...14	1820+	H	
10461	Σ 2720	DM (16°) 4355	37 56	16 31	185.0	3.81	8.5... 8.7	1830.42	Z 3	White
10462	H 1564	....	37 56	15 38	35.2	8±	10 ...10-11	1828+	H	
10463	H 1565	W ⁺ XX ^b . 1247	38 0	22 34	72.8	20±	9 ...10	1828+	H	
10464	H 5218	O. Arg. S. 20798	38 3	-30 55	188.9	6±	6½...13	1834+	H	
10465	Σ 2721	DM (19°) 4494	38 5	19 27	32.0	2.42	8.0...10.1	1830.29	Z 4	8.0 yel'ish
10466	H 1570	....	38 10	56 34	81.2	10±	11 = 11	1828+	H	
10467	Σ 2722	W ⁺ XX ^b . 1250	38 10	19 18	308.0	7.09	8.2... 8.7	1830.42	Z 3	Yel'ish wh.: ash
10468	H 1566	....	38 12	12 4	70±	5±	10 ...13	1828+	H	
10469	Ho 138	L 40064	38 14	25 10	349.6	2.62	7.0...13.5	1881.68	Ho 2	A and B }
					329.4	2.74	10.9...11.5	1881.68	Ho 4	C and D }
					306.2	128.10	....	1881.68	Ho 1	A and CD }
10470	H 1568	....	38 13	35 29	48.1	5±	10 ...13	1828+	H	
10471	H 924	SD (5°) 5361	38 17	- 5 38	90±	3±	10 ...10+	1820+	H	"Neat"
10472	Hn 163	L 40034	38 17	- 9 42	104.2	2.36	9.2...11.8	1888.72	Com 3	
10473	OΣ 411	Rad ⁺ . 4924	38 17	45 24	273.7	15.26	7.4...10.2	1845.36	OΣ 2	7.4 yel'ish
10474	H 2992	SD (20°) 6023	38 23	-20 50	141.0	1½±	10 ...10+	1830+	H	
10475	Espin 91	....	38 26	49 47	187.6	4.4	9.5... 9.7	1901	Es	A and B }
					242.1	16.0	... 9.8	1901	Es	B and C }
10476	β 675	51 Cygni	38 31	49 54	101.5	2.78	6.0...13	1878.24	β 3	A and B }
					182.4	25.39	...12	1878.39	β 1	A and C }
					328.4	32.85	...12	1878.39	β 1	A and D }
10477	Arg. 39	O. Arg. W. 20971	38 42	48 50	109.8	9.62	8.4... 8.6	1903.22	β 2	
10478	Hd 160	....	39 :	- 9 17:	210±	5±	8.8... 8.8	1880.84	Hd	
10479	H 925	SD (8°) 5466	20 39 1	- 8 35	176±	5±	10 ...11	1820+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
10480	A 171	A. G. Berlin 7900	20 ^h 39 ^m 5 ^s	20° 53'	325° 1	4.61	8.2...11.5	1900.72	A 2	
10481	H 1571	....	39 6	41 5	58.2	2½	10-11...10-11	1828+	H	"Neat"
10482	Ho 139	Cond. DM (24°) 16260	39 7	-24 8	213.2	5.20	9.0... 9.0	1883.74	Ho 2	
10483	Σ 2723	Delphini 43	39 11	11 53	85.6	1.49	6.4... 8.2	1831.71	Z 6	White
10484	H 2994	17 Capricorni	39 12	-21 57	338.7	20±	6 ... 18	1830+	H	
10485	Σ 2724	DM (23°) 4127	39 12	23 30	325.7	2.46	8.2... 8.3	1831.81	Z 3	
10486	H 5220	B. A. C. 7181	39 17	-27 18	357.7	18±	8 ... 10	1834.6	H	
10487	β 64	W ^r XX ^b . 977	39 18	12 17	172.4	0.63	8.7... 9.0	1876.20	Δ 6	A and B
					158.6	96.46	... 7.3	1874.67	Δ 3	AB and C
10488	β 152	Cephei 55	39 18	56 57	111.0	0.45	7.2... 8.0	1876.01	Δ 5	
10489	A 172	A. G. Berlin 7907	39 28	20 35	218.8	2.48	9.0...10.5	1900.72	A 2	
10490	β 1302	DM (22°) 4170	39 32	22 45	139.1	2.13	8.2...12.3	1901.42	β 3	A and B
					208.9	52.19	... 8.4	1901.42	β 3	A and C
10491	Hu 271	SD (17°) 6709	39 39	-17 19	5.6	0.50	8.9... 9.2	1900.66	Hu 3	(A. J. 494)
10492	Ho 140	L 40123	39 42	45 53	313.5	7.20	6.8...12.9	1882.29	Ho 4	
10493	Hu 690	DM (33°) 4011	39 43	33 42	282.5	0.59	9.0... 9.2	1903.22	Hu 3	(Bul. L. O. No. 57)
10494	Skinner 11	O. Arg. S. 20840	39 46	-17 8	298.9	3.56	8.8... 8.8	1901.17	β 3	
10495	β 834	DM (6°) 4638	39 48	6 43	134.0	2.44	8.5...11.0	1881.58	β 6	
10496	Hu 164	W ^r XX ^b . 988	39 58	-12 44	114.7	2.83	9.0...11.2	1888.72	Com 3	
10497	H 1572	DM (38°) 4215	40 2	38 55	278.3	12±	10 ... 11	1828+	H	
10498	H 1573	....	40 9	40 14	266.4	2½±	14 ... 15	1828+	H	"A double-double star; a curious object"
10499	H 1574	....	40 11	40 15	277.8	3±	13 ... 14	1828+	H	
10500	β 153	B. A. C. 7187	40 10	-26 51	282.2	1.61	7.5... 9.0	1876.78	Cin 1	
10501	A. G. 264	DM (24°) 4235	40 25	24 16	357.5	1.68	9.0... 9.1	1902.76	M 3	
10502	A 173	A. G. Berlin 7925	40 30	23 50	148.8	0.72	8.7...10.7	1900.77	A 3	
10503	H 2995	O. Arg. S. 20847	40 33	-19 4	283.5	20±	9-10...12	1830+	H	8 m. in O. Arg.
10504	Σ 2725	W ^r XX ^b . 1009	40 37	15 28	358.0	4.24	7.3... 8.0	1829.80	Z 3	Wh.: ashy
10505	O. Stone 53	Yar. 9051	40 40	-28 11	177.2	17.42	7.0...10.5	1877.74	Cin 1	
10506	Σ 2726	52 Cygni	40 43	30 17	57.2	6.62	4.0... 9.2	1830.82	Z 4	4.0 very red.
10507	Hd 161	....	41 :	-24 3:	....	15±	....	1868.66	Hd	"Triple"
					....	30±	....	1868.66	Hd	
10508	β 471	DM (61°) 2046	41 1	62 0	305.9	1.46	10.0...10.0	1876.72	Δ 1	
10509	Σ 2727	γ Delphini	41 6	15 42	273.7	11.90	4.0... 5.0	1830.89	Z 5	Golden: bluish green
10510	A. G. 265	DM (36°) 4224	41 6	36 20	214.2	6.30	9.1... 9.2	1900.67	Es 3	
10511	A 611	A. G. Bonn 14636	41 16	43 12	198.1	0.41	9.0... 9.4	1901.51	A 3	(Bul. L. O. No. 50)
10512	β 676	ε Cygni	41 21	33 31	320.9	37.72	3 ... 12.0	1878.08	β 2	
10513	H 2899	....	41 21	20 18	217.9	10±	11 ... 12	1830+	H	
10514	S 763	B. A. C. 7202	41 35	-18 39	295.1	16.75	7½... 8	1824.78	S 2	
10515	H 2997	....	41 37	-13 29	196.0	5±	10 ... 11	1830+	H	"Neat"
10516	Kr 51	A. G. Hals. 11614	41 38	58 36	181.5	1.17	9.0...10.0	1890.78	β 1	
10517	Ho 141	DM (18°) 4619	41 39	18 51	289.4	1.15	8.4...10.8	1881.87	Ho 4	
10518	A 174	L 40144	41 51	- 3 29	9.0	0.41	8.8... 9.8	1900.69	A 3	
10519	β 364	L 40166	41 52	24 58	219.3	1.06	8.7... 8.9	1876.17	Δ 4	
10520	β 65	13 Delphini	41 52	5 34	186.4	1.61	5.2... 8.8	1875.44	Δ 4	
10521	Espin 30	R R Cygni	41 56	44 29	57.9	18.10	8.5...12.5	1899.92	Es 2	(A. N. 3717)
10522	H 271	....	42 :	10 53:	135±	3±	10 ... 11	1820+	H	
10523	OΞ 412 rej.	P XX ^b . 321	42 1	50 14	281.8	25.62	8.0...13.0	1899.60	Hu 3	A and B
					186.0	5.09	...13.0	1899.60	Hu 3	B and C
10524	A. G. 266	A. G. Lelton 8473	42 4	32 25	88.0	10.76	8.2... 9.0	1902.63	β 2	
10525	Hu 41	O. Arg. N. 21063	42 5	53 35	237.7	3.40	8.5...12.3	1881.47	β 2	A and B
					262.8	7.89	...11.0	1881.47	β 3	A and C
10526	H 2998	O. Arg. S. 20875	42 18	-21 5	145.4	5±	9-10...10	1830+	H	
10527	β 677	T Cygni (var.)	42 23	33 56	121.3	9.66	7.0...12.0	1878.41	β 1	A and B
					194.4	12.35	...13.3	1890.52	β 3	A and C
10528	A. G. 267	A. G. Alb. 7272	42 23	4 0	261.4	5.15	9.0... 9.2	1903.11	M 3	
10529	H 1575	....	20 42 26	38 24	49.8	10±	10 ... 11	1828+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
10530	H 3000	B. A. C. 7209	20 ^h 42 ^m 32 ^s	-18° 29'	245° 4	18' ±	6 ... 15	1830+	H	
10531	Ho 143	L 40221	42 36	46 6	306 ±	1 ±	6 ... 11.5	1885.90	Ho 2	
10532	Ho 142	L 40169	42 37	- 2 40	5.8	0.62	8.5 ... 8.7	1885.74	Ho 2	A and B
					298.6	20.38	... 13	1886.75	Ho 1	AB and C
10533	OΞ 413	λ Cygni	42 44	36 3	122.3	0.65	5.0 ... 6.3	1842.66	OΞ 4	A and B
					105.0	85.22	... 8.7	1863.34	OΞ 10	AB and C
10534	OΞ 414	L 40222	42 50	41 58	95.9	9.88	7.2 ... 8.3	1848.30	OΞ 6	
10535	....	η Cephei	42 51	61 22	33.8	100.54	3.5 ... 11.2	1879.35	β 2	
10536	H 5226	O. Arg. B. 20883	42 54	-27 49	70.8	15 ±	7½ ... 8½	1834.6	H	Pale yellow:
10537	H 1576	....	42 58	23 50	52.2	3 ±	11 ... 12	1828+	H	pale blue
10538	β 66	DM (26°) 3995	42 59	27 1	158.9	1.23	8.6 ... 9.1	1876.00	Δ 5	
10539	Ho 459	DM (18°) 4621	43 2	18 27	359.5	0.55	9.5 ... 10	1893.69	Ho 1	
10540	Σ 2728	P XX ^b . 324	43 5	25 57	24.7	4.22	8.0 ... 10.3	1831.82	Z 3	So golden
10541	Espin 134	DM (63°) 1655	43 6	63 6	264.3	10.4	8.5 ... 9.2	1902	Es 3	(M. N. LXIII, 179)
10542	β 268	Rad ^a . 4958	43 11	41 38	221.4	0.42	7.4 ... 8.3	1875.88	Δ 2	
10543	Ho 280	Glasgow 5261	43 14	45 8	75.4	14.02	7.0 ... 13	1888.83	Ho 1	
10544	β 365	O. Arg. W. 21118	43 36	51 21	285.2	14.80	8.5 ... 11.8	1892.77	W 2	
10545	H 926	DM (19°) 4525	43 53	19 59	200 ±	4 ±	10 ... 10-11	1820+	H	
10546	....	15 Delphini	43 55	12 6	21.2	65.85	5.5 ... 13.6	1901.54	β 2	
10547	Kr 52	A. G. Helo. 11640	44 0	55 40	66.4	4.69	9.0 ... 9.2	1890.78	β 1	
10548	OΞ (App) 210	DM (5°) 4626	44 1	5 6	122.0	81.85	6.0 ... 8.5	1875.48	Δ 4	
10549	H 1577	DM (12°) 4474	44 10	12 28	255.5	12 ±	8-9 ... 10	1828+	H	
10550	H 1578	DM (12°) 4475	44 10	12 54	308.0	8 ±	10 ... 11	1828+	H	
10551	H 1580	DM (55°) 4467	44 18	55 26	249.1	4 ±	9-10 ... 12	1828+	H	
10552	Espin 93	DM (51°) 2954	44 18	51 58	273.0	7.4	6.0 ... 11.1	1901	Es	(A. N. 3784)
10553	H 1583	DM (62°) 1858	44 19	62 11	75.5	12 ±	10 ... 12	1828+	H	9.0 m. in DM
10554	Espin 31	....	44 26	32 48	244.6	9.8	8.7 ... 9.0	1892.9	Es 4	A and B } Red: blue
					140.9	17.65	... 10	1892.9	Es 3	A and C }
10555	Σ 2731	DM (39°) 4331	44 31	39 21	86.1	3.96	7.7 ... 10.8	1830.84	Z 3	7.7 wh.
10556	H 1579	DM (26°) 4006	44 44	26 45	300.7	3 ±	10-11=10-11	1828+	H	
10557	β 366	O. Arg. W. 21157	44 49	50 3	128.5	1.40	8.2 ... 8.5	1876.44	Δ 5	A and B
					3.3	1.07	10.7 ... 11.2	1876.44	Δ 5	C and D
					106.3	50.78	....	1876.30	Δ 3	AB and CD } CD = Δ 23
10558	H 1581	55 Cygni	44 50	45 40	173.3	14 ±	5-6 ... 11	1828+	H	
10559	Σ 2729	4 Aquarii	45 4	- 6 4	24.5	0.74	5.9 ... 7.2	1829.76	Z 4	Yel.
10560	Σ 2732	DM (51°) 2957	45 5	51 28	73.8	3.99	6.7 ... 8.7	1831.43	Z 3	6.7 wh.
10561	See 431	SD (19°) 5940	45 6	-19 52	341.7	2.63	7.2 ... 13.7	1897.80	See 1	(= See 432)
10562	Σ 2730	DM (5°) 4632	45 8	5 56	339.2	3.43	7.8 ... 7.9	1830.27	Σ 5	Yel'ish wh.
10563	H 1582	DM (38°) 4244	45 12	38 5	328.0	25 ±	9-10 ... 12	1828+	H	"A red," 8.4 m. in DM
10564	H 3001	....	45 15	-16 57	241 ±	5 ±	10 ... 10+	1830+	H	
10565	OΞ 415	W ^a XX ^b . 1459	45 37	29 58	237.1	3.44	7.5 ... 9.5	1846.56	OΞ 5	
10566	β 67	L 40318	45 37	30 28	287.1	1.51	6.9 ... 10.2	1875.45	Δ 4	
10567	H 1584	DM (47°) 3193	45 39	47 38	220.6	3½ ±	10 ... 12	1828+	H	9.0 m. in DM
10568	A 612	DM (7°) 4564	45 43	7 8	11.3	1.54	9.4 ... 9.6	1903.66	A 2	(Bul. L. O. No. 90)
10569	β 250	L 40340	45 51	46 13	7.6	20.30	7.0 ... 12.0	1875.60	Δ 1	
10570	Espin 94	DM (49°) 3386	45 51	49 41	13.1	103.1	6.5 ...	1901	Es	A and B } (A. N. 3784)
					80.0	2.4	9.5 ... 10.0	1901	Es	B and C }
10571	A 613	A. G. Lelp. II. 10415	45 57	5 18	8.8	0.80	8.7 ... 8.8	1903.71	A 3	(Bul. L. O. No. 90)
10572	H 3003	B. A. C. 7237	45 59	-24 14	216.9	3 ±	6 ... 11	1830+	H	
10573	H.C. Wilson 21	....	46 :	-23 50:	19.2	31.06	8.5 ... 8.8	1883.67	W 1	
10574	β 154	L 40292	46 6	-16 37	63.0	2.74	8.7 ... 10.0	1875.73	Δ 4	
10575	H 3004	....	46 15	62 5	193.5	1½ ±	13 = 13	1830+	H	
10576	Hu 272	SD (14°) 5873	46 23	-14 43	186.9	3.64	9.0 ... 12.0	1900.68	Hu 3	(A. J. 494)
10577	OΞ (App) 211	Rad ^a . 4987	46 24	58 18	261.7	115.15	6.5 ... 7.2	1875.96	Δ 3	
10578	Hu 42	SD (17°) 6113	46 32	-17 44	228.2	0.99	8.7 ... 8.9	1881.71	β 3	
10579	Hu 43	DM (2°) 4262	20 46 48	2 45	3.7	1.91	8.4 ... 10.5	1881.64	β 3	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
10580	Σ 2733	P XX ^b . 355	20 ^h 46 ^m 48 ^s	6° 53'	145° 4	40' 20	8.0... 8.3	1832.40	Z 3	Very wk.
10581	Ho 144	W ^a XX ^b . 1480	46 56	19 41	167.9	0.42	7.0... 7.0	1886.79	Ho 2	
10582	A 614	A. G. Bonn 14947	47 0	42 11	335.4	1.33	8.5... 10.8	1903.61	A 3	(Bul. L. O. No. 90)
10583	H 1587	....	47 2	54 24	288.5	4±	11 ... 12	1828+	H	
10584	H 1585	....	47 5	15 0	190.0	6±	9 ... 11	1828+	H	
10585	Arg. 40	O. Arg. N. 21204	47 11	44 52	251.5	9.22	9.1... 9.3	1902.02	β 2	
10586	H 1588	DM (62°) 1863	47 17	62 30	33.5	18±	9-10... 12	1828+	H	
10587	Ho 145	DM (34°) 4186	47 24	34 46	319.5	7.80	8.7... 10.2	1886.34	Ho 2	
10588	β 155	O. Arg. N. 21217	47 24	50 58	25.2	0.55	6.5... 7.4	1876.49	Δ 6	A and B }
					25.5	17.74	....	1885.53	HZ 1	AB and C }
10589	H 1586	DM (35°) 4302	47 28	35 17	267.3	10±	7-8... 12-13	1828+	H	
10590	OΞ 416	W ^a XX ^b . 1516	47 42	43 18	146.7	6.97	7.8... 8.1	1846.13	OΞ 3	
10591	OΞ 417	L 40397	48 0	28 42	39.4	0.57	7.5... 8.1	1847.98	OΞ 5	A and B }
					109.0	30.49	... 9.4	1847.98	OΞ 5	AB and C }
10592	Arg. 41	O. Arg. N. 21247	48 2	53 36	183.9	9.58	8.7... 8.8	1901.57	β 2	Reddish: greenish
10593	H 3005	DM (3°) 4451	48 6	3 30	292.2	18±	8-9... 12	1830+	H	A very red
10594	Ho 597	W ^a XX ^b . 1513	48 12	19 8	220.9	9.62	7.7... 12	1895.75	Ho 2	(A. N. 3558)
10595	Σ 2734	DM (12°) 4494	48 21	12 39	181.7	28.50	8.2... 8.7	1829.79	Z 3	White
10596	H 1589	....	48 33	27 36	....	....	10 ... 10+	1828+	H	"Near double star"
10597	OΞ (App) 212	L 40430	48 33	30 30	153.7	65.73	7.7... 9.3	1875.32	Δ 3	
10598	Ho 146	W ^a XX ^b . 1543	48 49	34 46	56.5	0.37	8.0... 8.1	1886.30	Ho 2	
10599	Hu 81	SD (12°) 5865	48 58	-12 15	5.3	0.32	8.6... 8.9	1899.65	Hu 3	(A. J. 480)
10600	H 1591	....	48 59	45 47	124.0	4±	11 ... 12	1828+	H	
10601	Lv 8	SD (11°) 5465	49 7	-11 20	299.4	1.39	8.4... 9.6	1886.72	Lv 2	
10602	Hu 762	DM (60°) 2172	49 28	60 59	151.9	1.78	8.7... 10.0	1904.48	Hu 1	
10603	H 5514	....	49 31	-5 31	200±	7±	12 ... 13	1823+	H	A and B }
					70±	12±	... 12	1823+	H	A and C }
10604	H 1590	....	49 37	-16 59	244.3	4½±	10 ... 11	1828+	H	"Fine"
10605	Σ 2735	P XX ^b . 376	49 40	4 4	289.7	2.13	6.2... 7.7	1829.48	Z 3	Very yel.: ash
10606	OΞ 420	B. A. C. 7260	49 53	40 15	0.6	5.79	7.0... 11.2	1848.30	OΞ 2	
10607	β 367	L 40478	49 54	27 38	115.7	0.55	7.5... 7.9	1876.37	Δ 4	A and B }
					28.2	30.88	... 12.0	1875.60	Δ 1	AB and C }
					92.6	30.94	... 14.0	1899.50	A 2	AB and D }
10608	OΞ 418	L 40485	49 55	32 15	301.8	0.56	7.3... 7.4	1842.67	OΞ 2	
10609	H 1592	16 Delphini	49 55	12 6	22.0	60±	5 ... 13	1828+	H	
10610	OΞ 419	W ^a XX ^b . 1574	50 1	36 37	40.0	1.78	7.2... 10.5	1847.07	OΞ 3	
10611	See 433	Cord. DM (24°) 16378	50 14	-24 45	40.6	2.50	9 ... 9.3	1897.65	See 1	
10612	H 927	SD (2°) 5407, 5408	50 15	-2 2	350±	18±	9 = 9	1820+	H	
10613	H 1595	....	50 17	57 16	327.0	8±	11 ... 11+	1828+	H	
10614	See 434	Cord. DM (22°) 15096	50 22	-22 6	148.4	4.54	7.5... 11.3	1897.80	See 1	
10615	H 1594	....	50 23	47 6	48.7	6±	10 ... 11	1828+	H	
10616	β 1034	7 Aquarii	50 25	-10 9	165.0	2.09	6.0... 11.7	1888.68	β 5	
10617	OΞ 422	L 40531	50 33	44 41	331.9	2.72	7.4... 9.1	1851.35	OΞ 5	
10618	A 751	A. G. Bonn. 11728	50 47	58 51	35.6	0.16	6.8... 7.2	1904.48	A 1	
10619	Espin 135	DM (56°) 2509	50 48	56 43	195.9	6.2	7.0... 11.2	1902	Es 5	(M. N. LXIII, 179)
10620	OΞ 423	L 40539	50 54	42 3	81.3	2.88	6.9... 9.4	1853.06	OΞ 6	6.9 bluish
10621	Ho 460	L 40518	50 54	27 7	83.9	12.83	6.9... 12.6	1892.75	Ho 3	
10622	OΞ 421 ref.	L 40526	50 55	31 38	192.5	37.32	7.3... 9.5	1867.21	Δ 3	
10623	Σ 2736	DM (12°) 4507	51 1	12 32	218.5	5.10	7.5... 8.7	1830.96	Z 5	White
10624	H 1593	....	51 1	12 32	226.1	3±	10 ... 11	1828+	H	
10625	H 1596	DM (38°) 4283	51 1	38 34	285.6	10±	9-10... 11	1828+	H	
10626	Howe 55	L 40496	51 2	0 0	71.8	26.19	7.0... 10.7	1879.50	Cin 2	
10627	Hd Zones	L 40508	51 21	0 8	137.4	41.76	8.2... 8.9	1879.50	Cin 2	
10628	Espin 95	....	20 51 27	46 54	280.0	6.1	9.0... 12	1901	Es 1	A and B }
					132.5	10±	10 ... 11	1828+	H	A and C }

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
10629	Hu 82	SD (13°) 5803	20 ^h 51 ^m 30 ^s	-13° 5'	13°0	2.62	8.5... 8.9	1899.59	Hu 3	(A. J. 480)
10630	A 175	A. G. Barlin 8015	51 42	23 13	291.9	1.78	8.0...13.5	1900.65	A 3	A and B }
					209.8	16.73	...13.0	1900.66	A 2	A and C }
10631	A 752	A. G. Hols. 11746	52 4	56 23	18.2	1.01	9.0... 9.5	1904.48	A 1	
10632	A. G. 268	A. G. Ad. 7348	52 12	4 19	288.1	11.23	8.4...11.0	1903.11	M 3	
10633	Barnard 13	DM (3°) 4467	52 14	3 29	84.7	1.42	10.1...11.3	1891.83	β 3	A and B }
					251.4	23.46	...11.8	1891.83	β 3	A and C }
10634	β 764	SD (9°) 5631	52 22	-9 50	354.4	0.90	9.0... 9.2	1880.55	β 1	A and B }
					112.9	99.62	... 9.0	1880.55	β 1	AB and C }
					21.6	137.45	... 9.0	1880.55	β 1	AB and D }
10635	H 1598	....	52 25	21 44	141.1	5 \pm	10 ...10-11	1828+	H	
10636	Hu 763	DM (35°) 4330	52 27	35 10	271.9	1.69	9.0...11.3	1904.47	Hu 3	
10637	H 1599	DM (27°) 3932	52 28	27 34	219.7	7 \pm	9-10...11	1828+	H	
10638	Hu 83	SD (13°) 5810	52 29	-13 40	76.9	0.21	8.5... 8.7	1899.59	Hu 3	(A. J. 480)
10639	β 1137	B. A. C. 7278	52 37	50 16	344.3	6.88	6.0...13.7	1889.44	β 3	
10640	Σ 2738	W ⁺ XX ^h . 1330	52 57	15 58	254.4	14.69	7.2... 8.2	1830.48	Z 3	7.2 wh.
10641	A 754	A. G. Hols. 11754	52 59	58 38	16.1	0.79	8.5... 9.5	1904.48	A 1	
10642	Ho 598	L 40615	53 0	28 49	111.2	16.78	8 ...12	1895.71	Ho 3	(A. N. 3558)
10643	Σ 2737	<i>e Equulei</i>	53 5	3 50	294.0	0.35	5.7... 6.2	1835.67	Z 4	A and B }
					78.1	10.85	... 7.1	1833.39	Z 10	AB and C } <i>AB 90 Feb.</i> <i>Cashy wh.</i>
10644	A 400	A. G. Bonn 14897	53 5	40 31	66.0	1.64	9.2... 9.4	1902.62	A 4	(Bul. L. O. No. 29)
10645	H 1600	DM (37°) 4121	53 6	38 5	157.7	14 \pm	10 ...10-11	1828+	H	
10646	β 765	Lac. 8632	53 9	-35 45	139.1	2.06	6.9...12.3	1891.85	β 3	
10647	Hu 363	DM (17°) 4477	53 13	17 55	94.3	0.60	9.3... 9.3	1901.63	Hu 3	(Bul. L. O. No. 22)
10648	H 928	DM (2°) 4280	53 25	2 12	90 \pm	6 \pm	9-10...13-14	1820+	H	
10649	A 755	A. G. Hols. 11760	53 28	56 28	355.6	0.16	8.5... 8.5	1904.45	A 1	
10650	OZ 424	L 40628	53 39	15 6	328.7	0.46	7.5... 8.7	1846.19	OZ 2	A and B }
					306.2	34.17	...10.0	1891.82	β 1	AB and C }
10651	Hu 165	O. Arg. 8. 21032	53 49	-18 7	161.3	3.01	8.7...10.5	1888.73	Com 3	
10652	Ho 461	SD (17°) 6149	53 58	-17 33	224.7	1.82	9.5...10.0	1890.74	Ho 1	
10653	Σ 2740	DM (60°) 2179	54 13	61 6	329.1	4.17	7.7...10.0	1832.29	Z 4	7.7 90 Feb wh.
10654	OZ (App) 213	L 40657	54 15	16 21	37.0	70.91	6.7... 8.9	1875.74	Δ 4	
10655	Σ 2739	DM (19°) 4589	54 20	19 36	252.0	3.22	8.3... 8.8	1831.23	Z 5	White
10656	β 678	L 40636	54 20	-8 49	185.9	2.45	8.0...11.5	1878.78	β 1	
10657	A 757	A. G. Bonn 14930	54 37	47 6	102.6	4.04	8.7...14.0	1904.42	A 1	
10658	Hu 764	DM (35°) 4344	54 38	35 58	187.5	0.33	7.5... 8.7	1904.47	Hu 3	
10659	Σ 2741	P XX ^h . 429	54 39	50 0	35.8	1.93	6.0... 7.3	1831.49	Z 3	White
10660	A 756	A. G. Hols. 11789	54 41	58 21	220.3	0.47	7.3... 8.0	1904.48	A 1	
10661	H 3006	DM (2°) 4285	54 51	2 29	300 \pm	$\frac{1}{2}\pm$	10 ...	1830+	H	
10662	H 1601	DM (36°) 4358	54 58	36 36	147.0	4 \pm	10 ...10-11	1828+	H	
10663	....	L 40682	54 58	18 52	332.7	44.66	6.2... 8.7	1880.63	β 2	
10664	Σ 3133	O. Arg. N. 21458	54 59	60 54	102.4	3.56	7.4... 8.9	1832.40	Z 4	Yel'ish: ash
10665	Barnard 14	DM (37°) 4133	55 1	37 24	250.4	0.92	9.5... 9.8	1899.82	Bar 3	A and B }
					111.7	7.87	...15	1899.82	Bar 2	AB and C } (A. J. 480)
10666	A 176	A. G. Barlin 8043	55 23	20 29	143.8	0.33	9.2... 9.3	1900.69	A 4	
10667	Ho 147	L 40731	55 30	36 30	353.3	6.97	7.2...13.3	1885.37	Ho 3	
10668	β 1329	A. G. Lohd. 8636	55 34	33 43	58.8	0.30	8.5... 8.7	1902.62	β 3	A and B }
					31.8	6.47	... 9.6	1902.62	β 4	AB and C }
10669	β 68	O. Arg. N. 21466	55 36	49 45	153.1	1.79	8.5... 9.2	1875.21	Δ 4	
10670	Σ 2743	59 Cygni	55 44	47 3	352.4	20.23	4.7... 9.0	1831.86	Z 2	A and B }
					140.6	26.73	...11.5	1879.35	β 1	A and C } <i>Greenish</i> <i>wh.: blue</i>
10671	H 929	SD (10°) 5575, 5574	55 46	-10 8	345 \pm	17 \pm	10 ...10+	1820+	H	
10672	Ho 148	W ⁺ XX ^h . 1402	56 1	3 18	205.0	2.39	7.5...11.5	1884.84	Ho 2	(A. N. 2779)
10673	See 435	Lac. 8660	56 2	-28 12	289.7	0.19	7.2... 8.2	1897.66	See 1	
10674	H 1604	....	20 56 6	48 43	129.0	18 \pm	10 ...10	1828+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
10675	β 1210	P XX ^b . 440	20 ^h 56 ^m 6 ^s	48° 13'	119° 9'	2.30	7.6...12.3	1890.63	β 3	A and B } A and C } ACD = C and D } OZ 485 A and E }
					27.6	12.33	....	1847.49	OZ 3	
					134.2	4.28	10.8...11.2	1890.63	β 3	
					18.0	45.17	....	1898.46	β 2	
10676	Σ 2742	2 (λ) <i>Equulei</i>	56 17	6 43	224.7	2.58	7.1... 7.1	1831.57	Σ 4	Very wh.
10677	Hu 589	DM (49°) 3294	56 18	49 15	181.2	1.04	9.0...11.0	1902.55	Hu 4	(<i>Bul. L. O.</i> No. 27)
10678	A 615	A. G. Alb. 7370	56 23	4 44	127.9	3.03	9.0...12.0	1903.71	A 3	(<i>Bul. L. O.</i> No. 30)
10679	H 1603	DM (9°) 4701	56 24	9 48	119.0	12±	10 ... 11	1828+	H	
10680	Hd Zones	DM (0°) 4644	56 24	0 10	φ	3±	9 ... 12	....	Hd	
10681	H 1605	....	56 37	54 1	200±	....	....	1828+	H	
10682	Esplan 136	DM (56°) 2520	56 42	56 46	340.6	5.1	9.2... 9.3	1902	Es 1	(<i>M. N.</i> LXIII, 179)
10683	See 436	O. Arg. 8. 21069	56 47	-24 48	88.3	0.23	8 ... 8.3	1897.71	See 2	
10684	β 1290	DM (46°) 3142	56 50	47 1	16.3	3.90	9.2... 9.4	1898.44	β 3	A and B }
					271.3	3.05	... 13.1	1898.44	β 3	A and a }
					25.4	2.42	... 13.8	1898.44	β 3	B and b }
10685	Σ 2744	DM (0°) 4648	56 58	1 4	190.5	1.52	6.3... 7.0	1830.16	Σ 5	White
10686	OZ 426	60 <i>Cygni</i>	56 59	45 41	166.8	2.54	5.8... 10.0	1848.77	OZ 5	
10687	H 1606	DM (53°) 2533	57 5	54 4	185.1	12±	9-10... 10	1828+	H	
10688	β 472	DM (61°) 2078	57 9	61 24	5.8	0.66	8.2... 8.5	1877.69	β 3	A and B }
10689	β 69	W ^a XX ^b . 1743	57 11	21 13	314.6	0.97	8.2... 9.0	1875.42	β 3	A and B }
					238.4	78.44	... 7.0	1875.81	β 1	A and C }
					154.6	19.47	... 13	1891.84	β 1	C and D }
10690	Σ 2746	DM (38°) 4318	57 13	38 47	276.2	0.87	8.0... 8.6	1830.82	Σ 4	Yel'sh: wh.
10691	β 1211	L 40744	57 15	-18 35	344.7	0.58	7.5... 8.1	1890.65	β 3	
10692	Lv 9	DM (38°) 4319	57 25	38 45	192.8	2.35	9.0... 10.6	1896.57	Lv 4	(<i>A. J.</i> 407)
10693	Ho 600	L 40805	57 28	43 43	80.0	2.00	7 ... 12	1896.77	Ho 1	(<i>A. N.</i> 3598)
10694	H 272	W ^a XX ^b . 1436	57 33	12 29	190±	15±	9 ... 10	1820+	H	
10695	H 1607	DM (60°) 2190	57 36	61 1	102.2	8±	9 ... 11-12	1828+	H	
10696	β 156	Groom. 3369	57 39	46 6	241.6	1.05	7.1... 9.4	1875.41	β 4	
10697	Σ 2747	DM (37°) 4153	57 40	37 11	257.5	4.55	8.2... 8.2	1830.15	Σ 3	White
10698	Σ 2745	12 <i>Aquarii</i>	57 44	-6 18	189.6	2.67	5.6... 7.7	1831.30	Σ 4	Yel'sh: blue
10699	H IV. 113	B. A. C. 7313	57 45	39 2	298.4	17.50	....	1783.75	H 1	A and B }
					250.0	25.80	... 12	1878.47	β 1	A and C }
10700	Ho 281	DM (23°) 4224	58 10	23 31	298.8	13.08	7.0... 13	1889.93	Ho 1	(<i>A. N.</i> 2977)
10701	H 5244	SD (5°) 5451	58 22	-4 58	138.8	15±	9 ... 10	1836.7	H	
10702	β 445	<i>Cygni</i> 287	58 23	28 37	106.6	4.60	7.5... 12.0	1877.58	β 1	
10703	Ho 462	L 40790	58 27	-11 34	215.7	2.90	8 ... 9	1892.79	Ho 1	
10704	H 3007	Cond. DM (25°) 15218	58 29	-25 14	217.8	6±	8-9... 9	1830+	H	
10705	β 1138	L 40856	58 34	45 22	188.7	0.29	7.2... 8.5	1889.44	β 3	(= Ho 282)
10706	OZ 427	L 40834	58 38	30 35	149.2	5.32	7.2... 11.3	1846.07	OZ 3	
10707	β 269	L 40815	58 39	7 17	252.6	1.08	8.1... 10.1	1876.18	β 5	(= β 835)
10708	β 1139	Groom. 3375	58 39	56 36	138.6	1.86	6.0... 12.5	1889.37	β 3	
10709	Se 3	DM (2°) 4298	58 43	3 3	148.7	3.51	7.7... 8.9	1830.10	Σ 5	A and BC } AB = B and C } Σ 2749
					127.0	0.6±	9.5... 9.5	1856.64	Se 1	
10710	H 3008	DM (7°) 4618	58 43	7 22	83.4	25±	9 ... 10	1830+	H	
10711	A 177	SD (5°) 5457	58 47	-5 39	340.7	0.83	9.5... 9.6	1900.67	A 3	
10712	H I. 62	....	58 48:	6 18:	234.8	....	....	1783.40	H 1	
10713	Σ 2751	<i>Cephei</i> 83	58 50	56 12	344.1	1.86	6.0... 7.0	1831.96	Σ 4	Very wh.
10714	β 70	L 40824	58 52	11 33	96.7	5.16	10.2... 10.4	1891.63	β 2	B and C }
					238.8	78.63	8.0...	1891.64	β 2	A and B }
					236.4	74.80	....	1899.50	β 2	A and C }
10715	H 1609	DM (28°) 3976	58 53	28 12	219.6	5±	10 = 10	1828+	H	
10716	H 1608	L 40838	59 9	11 58	256.2	5±	7 ... 11	1828+	H	
10717	A. G. 269	DM (20°) 4822	59 11	20 24	174.4	7.55	8.8... 10.4	1902.76	M 3	
10718	Σ 2750	L 40846	59 18	12 15	281.5	15.93	7.8... 9.3	1829.51	Σ 3	7.8 yel'sh
10719	OZ (App) 214	P XX ^b . 465	20 59 23	41 9	184.8	57.39	5.7... 8.0	1875.33	β 3	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
10720	H 1610	....	20 ^h 59 ^m 28 ^s	35° 39'	256° 1	6" ±	11 ... 14	1828+	H	
10721	S 773	W ² XX ^h . 1826	59 56	35 2	30.1	83.25	8 ... 9	1824.80	S 2	
10722	See 439	24 Capricornii	21 0 6	-25 29	185.7	26.37	4.9...12.2	1897.73	See 3	
10723	Σ 2753	DM (34°) 4267	0 7	34 57	346.1	31.15	7.5...11.0	1831.88	Σ 2	7.5 yel ^{sh}
10724	Hu 273	SD (16°) 5792	0 8	-16 3	117.3	4.13	8.2...13.3	1900.66	Hu 3	(A. J. 494)
10725	Σ 2754	DM (12°) 4544	0 29	12 42	303.2	34.58	8.0... 8.7	1829.32	Σ 2	White
10726	A 178	A. G. Berlin 8089	0 30	20 49	72.0	0.82	8.1... 9.3	1900.65	A 3	
10727	Σ 2752	Aquarii 43	0 31	-14 24	145.2	5.17	6.7...10.7	1827.62	Σ 3	A and B } AC=
					81.9	21.36	...12.0	1876.54	Δ 1	A and C } β 157
10727½	Espin 96	DM (49°) 3455	0 41	50 0	250.9	8.0	8.0...10.0	1901	Es	(A. N. 3784)
10728	Hu 590	DM (48°) 3279	0 43	48 33	88.3	0.40	8.2... 8.5	1902.61	Hu 3	(Bul. L. O. No. 27)
10729	Σ 2757	DM (51°) 2991	0 50	51 55	272.7	1.87	7.8... 9.3	1831.78	Σ 3	7.8 wh.
10730	Hall	....	1 ±	21 8;	64.4	....	6 ... 8	1875.92	Hl 1	
10731	β 368	Aquarii 45	1 1	- 8 43	99.3	0.49	7.4... 7.7	1876.10	Δ 3	A and B }
					317.9	6.15	14 ...14.7	1890.65	β 2	C and D }
					27.2	12.02	....	1890.65	β 2	AB and C }
10732	Σ 2758	61 Cygni	1 14	38 8	91.1	15.63	5.3... 5.9	1831.70	Σ 4	Yel. or golden
10733	Σ 2756 rej.	W ² XX ^h . 1856	1 16	26 26	47.4	11.52	8.5...11.0	1879.61	Cin 1	
10734	Hu 84	SD (12°) 5911	1 19	-12 40	327.3	4.50	9.0...14.2	1899.62	Hu 2	(A. J. 480)
10735	H 274	....	1 20:	11 24:	93±	5±	9 ...10	1820+	H	
10736	β 473	SD (10°) 5606	1 24	-10 41	115.5	1.74	9.0...10.2	1877.08	Δ 3	
10737	Σ 2755	L 40917	1 24	- 0 39	84.7	23.90	6.7...10.3	1827.65	Σ 3	6.7 very yel.
10738	β 679	....	1 24	43 12	68.1	0.38	10 ...10	1878.10	β 2	
10739	Ho 149	W ¹ XX ^h . 1527	1 26	-12 10	155.4	0.51	8.5... 8.5	1885.25	Ho 2	
10740	Hu 364	DM (22°) 4306	1 28	22 37	85.2	0.29	9.5... 9.8	1901.66	Hu 3	(Bul. L. O. No. 12)
10741	Σ 2759	DM (31°) 4337	1 29	31 58	316.4	14.57	8.5... 9.5	1830.86	Σ 3	
10742	H 275	DM (14°) 4537	1 32	14 55	3±	20±	9 ...11	1820+	H	
10743	β 158	L 40984	1 37	47 19	314.9	10.44	7.3...11.8	1875.72	Δ 3	
10744	H 3009	χ Capricorni	1 41	-21 41	68.5	70±	6 ...12	1830+	H	A and B }
					90±	10±	...13	1830+	H	B and C }
10745	H 1611	....	1 49	27 47	304.8	8±	11 ...11+	1828+	H	
10746	Σ 2760	W ² XX ^h . 1876	1 52	33 39	223.2	13.66	7.3... 8.1	1829.87	Σ 2	Yel ^{sh} wh.: ashy
10747	β 680	DM (53°) 2546	1 52	53 11	128.3	0.63	8.1... 8.6	1877.70	Δ 2	A and B }
					32.8	23.31	...10.7	1891.66	β 2	A and C }
10748	Hu 691	DM (34°) 4285	1 53	34 26	310.9	0.33	8.5... 9.0	1903.50	Hu 2	(Bul. L. O. No. 57)
10749	OΣ 527	DM (4°) 4615	2 1	4 40	306.2	0.40	6.5... 8.0	1846.85	OΣ 1	
10750	H 3011	W ¹ XX ^h . 1551	2 1	5 10	255.4	20±	8 ...11	1830+	H	
10751	H 1612	....	2 3	-16 48	143.8	4±	10 ...11	1828+	H	
10752	Σ 2761	W ² XX ^h . 1880	2 10	24 0	112.2	5.41	8.7... 9.2	1831.46	Σ 3	Very wh.
10753	Ho 150	W ² XX ^h . 1884	2 24	18 22	135.6	2.97	9.0...11.5	1882.00	Ho 3	
10754	β 836	DM (47°) 3291	2 27	47 54	191.4	0.62	9.0... 9.1	1881.63	β 3	A and B }
					65.0	1.27	10.2...11.2	1889.29	β 3	C and D }
					219.1	27.38	....	1881.63	β 3	AB and CD }
10755	β 988	DM (40°) 4413	2 28	40 56	238.1	1.20	8.9...11.7	1880.63	β 3	A and B }
					55.4	16.07	... 8.9	1880.58	β 3	A and C }
10756	Espin 32	63 Cygni	2 28	47 10	151.3	15.63	4.1...13.6	1899.86	Es 5	(A. N. 3717)
10757	H 276	....	2 31	11 45	240±	5±	12 ...13	1820+	H	(See p. 1084)
10758	H 1613	DM (40°) 4414	2 34	41 3	1.0	10±	9-10...11-12	1828+	H	"In cluster"
10759	A 758	A. G. Hels. 11899	2 41	60 0	171.1	0.28	9.5... 9.5	1904.48	A 1	A and B }
					189.0	8.95	...14.0	1904.48	A 1	AB and C }
10760	β 837	DM (-0°) 4170	2 43	- 0 16	189.7	3.70	8.4...10.1	1881.73	β 3	
10761	H 1614	....	2 52	33 53	264.7	6±	11 ...12-13	1828+	H	
10762	Hu 765	O. Arg. N. 21691	2 52	61 41	42.6	0.43	9.0... 9.5	1904.48	Hu 1	B and C }
					302.2	6.84	8.0... 8.5	1831.99	Σ 3	A and BC } AB=
10763	See 440	Cord. 21 ^h . 84	2 58	-26 32	69.8	9.82	7.9...12.8	1897.23	See 3	Σ 2764
10764	H 5515	....	21 3 ±	3 41	15±	....	10...10...10	1823+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
10765	Hd 16a	....	21 ^h 3 ^m ±	— 4° 56'	....	....	....	1868.61	Hd	No description
10766	OΞ 426 <i>rej.</i>	DM (6°) 4759	3 4	6 14	256° 1	23' 99	7.8... 9.3	1866.28	Δ 3	
10767	H 3010	....	3 4	— 19 3	298.5	18 ±	9 ... 9+	1830+	H	
10768	H 1615	....	3 13	44 46	92.5	6 ±	11 ... 12	1828+	H	
10769	Hu 366	SD (17°) 6195	3 13	— 17 44	279.1	0.27	9.4... 9.8	1901.33	Hu 3	(<i>Bul. L. O. No. 12</i>)
10770	β 1330	DM (3°) 4509	3 16	3 40	57.4	3.33	9.5... 13	1904.52	β 3	
10771	Hu 365	DM (17°) 4509	3 22	17 19	17.4	1.04	9.0... 13.2	1901.63	Hu 3	(<i>Bul. L. O. No. 12</i>)
10772	OΞ 429 <i>rej.</i>	L 41005	3 22	4 33	....	....	8.0...	....	OΞ	
10773	Σ 2762	P XX ^h . 1	3 33	29 43	315.6	3.55	6.0... 8.0	1829.75	Z 3	<i>Greenish wh.; bluish</i>
10774	Σ 2771	DM (70°) 1162	3 33	70 17	212.6	2.70	8.8... 8.8	1832.98	Z 3	
10775	Σ 2763	DM (16°) 4466	3 52	16 52	294.2	16.84	8.5... 9.7	1829.14	Z 3	
10776	Hu 85	Cord. DM (29°) 17611	3 53	— 29 27	144.5	2.87	8.6... 11.8	1899.64	Hu 3	(<i>A. J. 480</i>)
10777	Σ 2766	O. Arg. N. 21720	3 54	58 31	249.3	5.07	8.3... 8.5	1831.63	Z 3	<i>White</i>
10778	Hd 163	....	4 :	— 5 50:	....	....	....	1868.61	Hd	No description
10779	Hd Zones	DM (0°) 4674	4 0	0 49	138.3	0.72	9.0... 9.0	1877.06	Δ 3	
10780	H 930	....	4 6	— 9 9	115 ±	4 ±	11 ... 11	1820+	H	
10781	S 779	L 41086	4 26	38 14	10.8	114.78	8 ... 10	1824.81	S 2	
10782	Knott 4	<i>γ Equulei</i>	4 30	9 39	276.8	2.13	... 11.0	1867.50	Kn 2	A and B
					9.2	43.32	... 12	1888.82	β 3	A and C } <i>AC=β 71</i>
					153.2	366.18	4.2... 5.7	1835.69	Z 6	A and D }
10783	H 5251	O. Arg. S. 21189	4 39	— 23 36	308.2	7 ±	9 ... 9½	1834.6	H	
10784	Dundr 3	DM (28°) 4015	4 41	28 21	198.1	6.36	9.3... 9.4	1873.06	Du 3	
10785	Arg. 42	O. Arg. N. 21731	4 45	47 46	....	....	8-9...	....	....
10786	H 1616	....	4 51	30 31	279.3	4 ±	10 ... 11	1828+	H	"A third <i>sp.</i> and others near"
10787	β 251	O. Arg. S. 21193	4 53	— 31 5	233.6	2.71	7.0... 9.5	1877.70	Cin 1	
10788	Ho 151	DM (3°) 4513	4 54	3 22	190.3	1.05	8.5... 8.5	1884.88	Ho 2	
10789	Hu 766	DM (61°) 2096	4 55	61 44	114.0	0.77	8.5... 10.0	1904.48	Hu 1	
10790	Hu 367	DM (16°) 4468	4 57	16 21	10.1	0.28	8.9... 9.8	1901.63	Hu 3	(<i>Bul. L. O. No. 12</i>)
10791	H 3012	Cord. DM (28°) 7165	5 0	— 28 4	323.6	25 ±	9 ... 9-10	1830+	H	
10792	Σ 2767	DM (19°) 4638	5 1	19 28	30.6	2.46	7.8... 8.2	1830.40	Z 3	<i>Very wh.</i>
10793	A 760	A. G. Hols. 11935	5 2	58 38	339.3	3.24	9.0... 10.5	1904.48	A 1	
10794	Σ 2765	W ² XX ^h . 55	5 8	9 4	85.7	2.99	7.8... 8.0	1830.48	Z 3	<i>White</i>
10795	Σ 2769	DM (21°) 4486, 4485	5 8	21 58	300.8	17.83	6.5... 7.5	1830.17	Z 3	<i>White</i>
10796	Σ 2770	L 41077	5 21	— 3 37	247.1	7.24	7.0... 10.5	1828.16	Z 3	<i>7.0 yel.</i>
10797	Σ 2772 <i>rej.</i>	DM (43°) 3823	5 32	43 52	....	CL III	9 ... 10	....	Z	
10798	H. C. Wilson 22	Cord. DM (23°) 16765	5 35	— 23 11	36.5	9.42	9.2... 9.8	1885.36	W 3	(<i>Cin²⁰</i>)
10799	Σ 2768	L 41095	5 38	— 6 18	193.5	7.70	7.1... 10.1	1829.73	Z 4	<i>7.1 yel.</i>
10800	H 1618	DM (43°) 3824	5 41	43 30	172.0	15 ±	9-10... 14	1828+	H	
10801	M. I. 47	O. Arg. S. 21208	5 42	— 15 29	336.8	....	....	1802.66	H 1	
10802	H 277	....	5 49:	11 54:	315 ±	8 ±	10 ... 11	1820+	H	
10803	Σ 2773	W ² XX ^h . 93	5 50	43 30	118.4	3.25	8.2... 9.0	1832.04	Z 3	A and B } <i>AB very wh.</i>
					63.5	22.13	... 13.0	1879.57	β 1	A and C }
10804	H 1621	DM (54°) 2485	6 1	54 33	150 ±	11 ±	9 ... 14	1828+	H	
10805	A 179	SD (2°) 5477	6 2	— 2 32	238.7	0.32	9.3... 9.6	1900.79	A 3	
10806	H 1617	....	6 6	— 21 40	85 ±	....	....	1828+	H	
10807	Ho 283	L 41155	6 14	35 49	210.6	22.18	6.8... 12.5	1887.75	Ho 1	
10808	β 159	L 41178	6 21	47 12	318.4	1.33	6.1... 9.2	1876.69	Δ 6	A and B }
					189.6	134.14	... 6.9	1875.72	Δ 4	A and C }
10809	OΞ 430	L 41144	6 35	23 40	219.5	1.50	7.8... 9.8	1846.80	OΞ 3	
10810	H 3013	....	6 38	4 7	119.0	5 ±	11 ... 12	1830+	H	"Neat star"
10811	H 1622	DM (54°) 2487	6 39	54 42	293.8	8 ±	10 ... 11	1828+	H	
10812	H 1619	W ² XX ^h . 93	6 45	14 2	170.0	5 ±	9 ... 11	1828+	H	
10813	H 1620	....	6 45	13 2	175.8	4 ±	10 ... 11	1828+	H	A and B }
					330 ±	5 ±	13 ... 14	1828+	H	C and D }
10814	β 1303	L 41147	6 56	2 19	236.5	4.02	7.0... 13.2	1900.61	β 3	
10815	OΞ 431	L 41190	21 6 57	40 45	117.3	3.19	7.6... 8.0	1846.70	OΞ 4	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
10816	Σ 2774 <i>rej.</i>	DM (25°) 4484	21 ^h 7 ^m 14 ^s	25° 49'	337° 2	28.22	8.8...10.8	1904.47	β 2	
10817	Ho 152	DM (27°) 4003	7 20	27 51	320.2	0.49	8.4... 8.5	1882.66	Ho 2	
10818	β 270	<i>Equulei</i> 19	7 31	6 43	354.6	0.62	7.4... 9.7	1875.82	Δ 2	A and B
					32.7	32.55	...12.7	1898.70	β 2	A and C
					173.0	183.24	6½... 7	1824.99	S 2	A and D
10819	β 681	DM (16°) 4475	7 40	16 26	239.7	2.51	7.0...11.3	1878.64	β 3	
10820	H 1623	DM (36°) 4461	7 42	36 50	332.3	10±	10=10	1829+	H	
10821	H 3014	O. Arg. S. 21234	7 43	-26 24	300.3	4±	9=9	1830+	H	
10822	Doo 16	DM (55°) 2538	7 44	55 51	30.6	1.02	8.6... 9.1	1900.65	Doo 3	(<i>Pub. Flower Obsy.</i> 1)
10823	H 1624	....	7 46	48 10	190.2	11±	9 ...12	1828+	H	"Places ill-determined in this sweep"
10824	β 160	L 41242	7 48	45 13	116.7	6.11	11.0...11.2	1892.67	W 1	B and C
					154.3	56.96	7.5...	1892.67	W 1	A and B
10825	H 278	DM (10°) 4490	8 0	10 15	255±	20±	....	1820+	H	Maga. 9.0...10.5 (1876)
10826	H 3015	DM (6°) 4778	8 21	6 34	282.8	15±	10 ...11	1830+	H	
10827	Σ 2775	L 41212	8 30	-1 20	178.8	21.14	7.5...10.2	1825.88	Σ 2	
10828	β 682	L 41222	8 30	4 12	105.6	5.64	7.5...12.0	1877.77	β 1	
10829	O Σ 535	δ <i>Equulei</i>	8 38	9 31	20.6	0.44	4.5... 5.0	1852.65	O Σ 2	A and B
					38.8	27.40	4.1...10.2	1833.20	Σ 12	AB and C } (AC= Σ 2777)
10830	H 1625	....	8 39	47 50	91.0	7±	11 ...11+	1828	H	
10831	Espin —	DM (52°) 2883	8 44	52 47	....	4±	9.0...12	1903	Es	(<i>M. N.</i> LXIV, 238)
10832	Σ 2780	P XXI ^h . 51	8 45	59 30	228.8	1.12	6.2... 7.2	1831.82	Σ 3	White
10833	Hu 767	DM (15°) 4375	8 50	15 29	162.4	0.22	7.0... 7.0	1903.36	Hu 1	
10834	Σ 2776	SD (10°) 5630	8 55	-10 51	51.1	84.94	7.7... 9.0	1832.56	Σ 5	A and B
					340.9	5.87	...10.0	1833.08	Σ 6	B and C } 7.7 <i>yel.</i>
10835	Σ 2779	DM (28°) 4031	9 16	28 35	189.5	19.22	8.5... 8.5	1828.81	Σ 2	Yel'sh
10836	H 1626	DM (23°) 4272	9 21	23 56	167.4	9±	10 ...11	1828+	H	
10837	O Σ (App) 216	W ⁺ XXI ^h . 183	9 23	33 48	47.1	101.91	6.7... 7.2	1875.20	Δ 3	
10838	Σ 2778	L 41256	9 28	-1 44	267.0	21.19	8.4...10.6	1828.24	Σ 4	8.4 <i>yel'sh</i>
10839	Hu 768	DM (34°) 4350	9 36	34 7	124.8	1.58	8.8...13.0	1902.64	Hu 1	
10840	Σ 2794 <i>rej.</i>	DM (85°) 359	9 37	85 24	89.9	18±	8 ...11-12	1830+	H	From H (V)
10841	O Σ 432	P XXI ^h . 50	9 43	40 39	130.4	1.20	6.8... 7.2	1847.94	O Σ 4	Golden
10842	H 1627	....	9 52	32 10	182.2	2½±	13 ...14	1828+	H	
10843	Δ 24	14 <i>Aquarii</i>	9 52	-9 43	146.6	0.47	6.9... 6.9	1876.04	Δ 4	
10844	Hd 164	....	10 ±	-4 39:	....	....	....	1868.61	Hd	No description
10845	H 5516	....	10 ±	2 29	340±	....	9 ...18	1823+	H	
					....	....	20 ...20	1823+	H	
10846	A.G. Clark 13	τ <i>Cygni</i>	10 0	37 32	174.5	1.24	4.9... 7.4	1875.12	Δ 2	A and B
					260.3	15.68	....	1876.90	H1 1	A and C
10847	H 1628	DM (32°) 4102	10 14	32 6	254.5	10±	9-10...11	1828+	H	
10848	Ho 284	DM (15°) 7382	10 20	15 29	86.0	3.81	9.0... 9.3	1886.77	Ho 2	(<i>A. N.</i> 2977)
10849	Σ 2781	W ⁺ XXI ^h . 181	10 20	-8 9	172.1	3.27	7.8... 7.8	1828.11	Σ 3	White
10850	H 3016	....	10 25	-19 46	330.2	8±	11-12...12-13	1830+	H	
10851	β 1261	DM (15°) 4384	10 29	15 36	148.9	1.72	8.5... 9.7	1891.85	β 3	
10852	O. Stone 54	O. Arg. S. 21272	10 42	-27 44	237.9	7.56	8.5... 9.2	1876.69	Cin 2	
10853	Ho 285	W ⁺ XXI ^h . 284	10 45	36 45	24.9	8.58	7.0...12.2	1888.74	Ho 2	
10854	Σ 2783	DM (57°) 2303	10 48	57 48	43.2	1.33	8.0... 8.0	1831.79	Σ 3	White
10855	β 161	W ⁺ XXI ^h . 197	10 53	-4 45	316.8	7.10	10.2...11.5	1891.64	β 2	B and C
					350.2	101.01	8.1...	1891.62	β 2	A and B
					315.3	34.10	....	1891.65	β 1	A and a
					15.8	11.66	13.5...13.5	1891.65	β 1	a and b
10856	H 3017	O. Arg. S. 21278	11 7	-21 45	200.1	12±	9-10...12	1830+	H	
10857	H 3018	Cord. DM (24°) 16553	11 9	-24 25	162.7	18±	10 ...10	1830+	H	
10858	H 1630	DM (56°) 2546	11 9	56 32	124.3	15±	9-10...11	1828+	H	
10859	Σ 2784	DM (73°) 926	11 12	73 34	347.7	14.09	8.5...10.5	1833.05	Σ 4	8.5 <i>yel'sh</i>
10860	H 1629	DM (46°) 3242	11 13	46 8	78.8	10±	10 ...11	1828+	H	
10861	Hu 274	DM (4°) 4642	21 11 14	4 8	149.2	4.16	8.5...15.8	1900.56	Hu 2	(<i>A. J.</i> 494)

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
10862	H 1631	O. Arg. N. 21927	21 ^h 11 ^m 15 ^s	50° 47'	5° 0	30" ±	7 ...	1828+	H	
10863	H I. 48	DM (63°) 1708	11 15	63 55	259.8	Cl. I	....	1783.18	H 1	
10864	See 443	Cord. 21 ^h . 345	11 45	-27 7	275.7	2.03	7 ... 10.8	1897.63	See 1	
10865	A 294	A. G. Berlin 8152	11 46	25 4	215.2	4.41	9.0... 12.2	1901.69	A 2	A and B }
					179.8	14.72	... 14.0	1901.69	A 2	A and C }
10866	H 279	....	11 50:	11 49:	295 ±	3 ±	11 = 11	1820+	H	
10867	H V. 45	....	12 0:	37 17:	f	45 ±	....	1781.75	H 1	
10868	H 3019	DM (9°) 4766	12 2	9 22	314.1	12 ±	9-10... 11	1830+	H	
10869	H N. 139	....	12 6:	-15 48:	....	Cl. I	....	1801.78	H	
10870	Espin 97	DM (44°) 3761	12 8	44 18	291.8	6.6	9.1... 10.0	1901	Es	(A. N. 3784)
10871	β 162	DM (35°) 4461	12 14	35 16	240.5	1.05	8.0... 8.5	1875.11	Δ 4	
10872	H 3020	....	12 14	9 11	115.9	18 ±	10 ... 10	1830+	H	
10873	H 931	....	12 17	31 32	40 ±	12 ±	10 ... 10+	1828+	H	Probably DM (31°)
10874	H I. 90	....	12 18:	- 7 37:	167.6	Cl. I	....	1783.58	H 1	4403
10875	Hu 368	DM (17°) 4542	12 21	18 1	41.7	0.37	9.0... 10.7	1901.63	Hu 3	(Bul. L. O. No. 12)
10876	H 3021	....	12 23	9 4	242.8	15 ±	10 ... 10+	1830+	H	
10877	A 401	A. G. Bonn 15299	12 34	42 42	150.7	0.39	8.7... 8.8	1902.84	A 3	(Bul. L. O. No. 29)
10878	See 444	Cord. 21 ^h . 370	12 36	-24 16	231.7	12.63	7.5... 14	1897.66	See 1	
10879	Ho 153	W ² XXI ^h . 269	12 40	33 15	111.0	0.79	8.0... 9.0	1883.55	Ho 5	
10880	β 163	L 41386	12 47	11 4	252.3	1.15	7.1... 9.0	1876.09	Δ 4	
10881	β 271	Lac. 8777	12 49	-26 51	226.6	2.21	7.2... 9.7	1876.68	Cin 1	A and B }
					74.2	74.57	... 12.0	1898.84	β 1	A and C }
10882	H 1632	....	12 54	27 55	45.4	4 ±	11 = 11	1828+	H	
10883	Σ 2785	DM (39°) 4510	12 54	39 15	234.9	2.49	8.1... 10.0	1832.10	Σ 4	
10884	β 252	L 41364	12 58	-27 49	278.4	2.53	8.2... 8.3	1877.54	Cin 5	
10885	OΣ 433	v Cygni	12 59	34 24	220.1	15.07	4.6... 10.2	1849.54	OΣ 4	A and B }
					177.5	21.20	... 10.2	1849.54	OΣ 4	A and C }
10886	H 3022	....	13 0	5 30	77.1	12 ±	10 ... 10-11	1830+	H	A and B }
					128.2	25 ±	... 9-10	1830+	H	A and C }
10887	Ho 154	W ² XXI ^h . 283	13 4	30 5	205.1	3.58	7.8... 11.0	1882.94	Ho 4	
10888	OΣ 436	L 41565	13 6	75 49	229.7	11.67	7.0... 10.5	1848.10	OΣ 3	
10889	H 1633	....	13 11	47 36	240.0	8 ±	10 ... 11	1828+	H	"Unless P=60°0"
10890	A 616	A. G. Bonn 15312	13 15	42 32	317.0	2.48	9.0... 10.5	1903.63	A 2	(Bul. L. O. No. 50)
10891	β 289	W ² XXI ^h . 289	13 22	34 25	137.8	0.90	8.2... 10.0	1878.53	β 1	A and B }
					262.1	5.39	... 13.0	1878.53	β 1	A and C }
10892	Hu 769	DM (33°) 4222	13 34	34 0	175.3	0.74	9.0... 12.0	1904.49	Hu 1	
10893	Hu 770	DM (33°) 4223	13 44	33 17	307.9	1.03	9.0... 10.5	1904.49	Hu 1	
10894	H 1634	DM (42°) 4051, 4052	13 45	42 13	133.4	25 ±	9 ... 9-10	1828+	H	
10895	Hu 86	SD (11°) 5574	13 46	-11 19	238.2	4.39	8.6... 12.2	1899.71	Hu 3	(A. J. 480)
10896	Σ 2786	Equulei 27	13 47	9 1	183.6	2.46	7.0... 8.1	1831.04	Σ 5	White
10897	Σ 2788 rej.	DM (66°) 1380	13 50	66 51	....	III-IV	8 ... 10	....	Σ	
10898	β 1140	Rad'. 5183	14 1	58 6	276.5	3.89	6.7... 12.3	1889.58	β 3	
10899	Hu 692	DM (49°) 3494	14 7	49 26	205.0	0.36	8.2... 10.0	1904.34	Hu 2	(Bul. L. O. No. 57)
10900	β 1304	L 41433	14 7	- 2 1	58.6	3.11	8.1... 12.7	1900.49	β 3	
10901	A. G. 270	A. G. Lund 10048	14 13	38 39	114.0	5.63	8.7... 9.1	1902.62	β 2	
10902	OΣ 434 rej.	L 41477	14 17	39 15	121.9	24.52	6.7... 9.5	1866.12	Δ 3	
10903	Ho 601	DM (40°) 4485	14 17	40 32	180.7	17.10	6.5... 13	1895.70	Ho 2	
10904	H 1635	....	14 18	47 17	13.0	13 ±	10-11... 13	1828+	H	
10905	H 933	....	14 20	9 48	240 ±	12 ±	10 ... 11	1820+	H	
10906	See 441	Cord. DM (25°) 15377	14 32	-25 13	16.8	1.98	8.2... 8.3	1897.65	See 1	
10907	Ho 602	....	14 33	40 32	199.5	2.39	11 ... 11	1895.70	Ho 1	(A. N. 3558)
10908	Ho 286	Yar. 9319	14 35	37 44	250 ±	0.3 ±	6 ... 6	1886	Ho	
10909	Ho 155	W ² XXI ^h . 321	14 39	32 45	31.6	2.18	8.0... 9.5	1884.78	Ho 2	
10910	β 838	L 41462	14 51	2 37	90.3	1.29	7.6... 9.5	1881.66	β 3	
10911	H 280	....	14 53:	-12 50:	170 ±	70 ±	....	1820+	H	
10912	H 5265	Cord. DM (22°) 15347	21 15 10	-22 53	196.7	20 ±	9 ... 9½	1834.6	H	Red: blue

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
10913	H 934	SD (9°) 5723	21 ^h 15 ^m 14 ^s	- 9° 17'	70° ±	15" ±	10 ... 11	1820+	H	
10914	OE 435	L 41486	15 20	2 23	23.8	0.60	7.5... 8.0	1848.13	OZ 3	
10915	A 295	A. G. Camb. 12382	15 22	27 13	227.9	0.47	8.5... 8.7	1901.83	A 3	
10916	A 617	A. G. Leip. 10689	15 31	9 50	272.5	0.18	7.0... 7.0	1903.84	A 3	(Bul. L. O. No. 90)
10917	H 281	DM (16°) 4505	15 32	16 14	330 ±	12-15	9 ... 10	1820+	H	
10918	Espin 98	DM (51°) 3042	15 36	51 49	310.6	26.6	6.5... 9.2	1901	Es	A and B
					86.9	29.8	... 9.0	1901	Es	A and C
					255.5	4.9	... 13.5	1901	Es	C and D
10919	β 1262	L 41483	15 40	-15 26	113.3	1.79	8.3... 9.0	1891.85	β 3	
10920	Σ 2787	Schj. 8640	15 42	1 31	19.5	22.65	7.0... 8.3	1830.45	Σ 4	White
10921	β 446	W ⁺ XXI ^b . 344	15 44	32 56	261.7	2.30	9.0... 12	1876.80	β 1	
10922	OE 437	L 41530	15 46	31 57	67.7	1.37	6.5... 7.2	1845.43	OZ 4	
10923	S 786	Cygni 327	15 49	52 33	302.4	48.74	7 ... 11	1824.61	S 2	
10924	A. G. 271	A. G. Lund 10072	15 49	38 21	....	....	8.6...	....	....
10925	Σ 2790	B. A. C. 7417	15 55	58 7	46.5	4.54	5.6... 9.9	1832.05	Σ 4	A and B } Very red.
					183.2	16.01	... 15	1898.73	Bar 2	A and C } blue
10926	Σ 2789	DM (52°) 2916	16 7	52 28	116.4	5.93	7.1... 7.1	1832.86	Σ 4	Wh.: yel'ish
10927	A 762	A. G. Bonn 15372	16 9	47 3	354.8	2.97	8.0... 14.0	1904.42	A 1	
10928	H 1636	....	16 10	27 24	6.7	3 ±	10-11=10-11	1828+	H	
10929	β 839	DM (48°) 3348	16 10	48 50	201.7	15.18	8.5... 12.0	1881.47	β 3	A and B }
					197.0	21.46	... 9.4	1881.47	β 3	A and C }
10930	Espin 137	DM (61°) 2112	16 12	61 21	75.3	2.7	8.9... 11.5	1902	Es 2	B and C } (M. N. LXIII, 179)
					74.5	45.3	... 6.5	1902	Es 3	A and B }
10931	Ho 156	L 41557	16 16	40 56	44.8	1.71	7.0... 12	1885.84	Ho 2	
10932	Σ 11, App. II	1 Pegasi	16 32	19 18	311.2	36.20	4.5... 8.6	1835.86	Σ 4	
10933	Hu 275	DM (7°) 4670	16 35	7 57	65.7	0.33	8.8... 8.9	1900.62	Hu 3	(A. J. 494)
10934	Holmes	DM (58°) 2252	16 39	58 11	244.2	12.75	9.0... 9.1	1902.78	Es 2	(M. N. LXIV, 680)
10935	β 766	0 ⁺ Microscopii	16 45	-41 31	314.1	0.83	5 ... 6	1879.73	β 2	
10936	H 3023	β Equulei	16 56	6 18	259.7	31.58	5 ... 13.5	1878.20	β 2	A and B }
					308.7	67.4	....	1877.77	β 1	A and C }
					10.4	6.03	(14) ... (15)	1877.73	β 1	C and D }
					275.9	86.28	....	1878.63	β 1	A and E }
10937	A 763	A. G. Enls. 12094	17 8	60 7	213.2	1.05	8.0... 12.5	1904.48	A 1	Orange: blue
10938	OE 438	L 41593	17 13	42 38	354.7	2.28	7.3... 10.2	1847.04	OZ 3	
10939	β 1035	B. A. C. 7422	17 16	-26 4	198.7	1.05	8.0... 10.7	1888.74	β 3	
10940	Espin 139	DM (52°) 2921	17 18	52 52	....	5.	9.0... 11	1902	Es 1	(M. N. LXIII, 179)
10941	Espin 138	DM (60°) 2224	17 18	60 11	265.2	8.4	6.5... 12.8	1902	Es 2	(M. N. LXIII, 179)
10942	H 1637	W ⁺ XXI ^b . 393	17 28	31 27	105.7	8 ±	9 ... 12	1828+	H	
10943	S 788	L 41562, 41563	17 31	- 7 6	83.5	36.78	7 ... 7½	1824.78	S 2	
10944	H 1639	....	17 35	43 37	104.5	5 ±	11 ... 12	1828+	H	
10945	H 5517	18 Aquarii	17 37	-13 23	270 ±	13 ±	6 ...	1823+	H	
10946	Σ 2791	DM (3°) 4559	17 42	3 51	104.4	2.40	8.5... 9.0	1827.54	Σ 4	Yel'ish wh.
10947	β 272	L 41564	17 50	-13 19	253.8	4.52	9.3... 11.3	1876.16	β 3	
10948	Σ 2792	DM (28°) 4072	17 52	28 27	331.0	7.04	8.5... 10.0	1829.12	Σ 3	8.5 wh.
10949	Ho 157	W ⁺ XXI ^b . 402	17 55	31 31	21.3	3.81	7.7... 7.7	1882.01	Ho 3	
10950	Hu 369	DM (16°) 4523	17 57	16 46	12.5	1.35	8.9... 12.8	1901.63	Hu 3	(Bul. L. O. No. 10)
10951	Σ 2796	DM (77°) 811, 812	17 57	78 6	43.8	24.55	7.3... 8.8	1832.65	Σ 3	Wh.: ashy
10952	H 3024	SD (19°) 6090	17 59	-19 7	79.0	9 ±	10 ... 11	1830+	H	
10953	H 1640	....	18 5	43 38	54.0	6 ±	10-11... 11-12	1828+	H	
10954	Ho 287	....	18 8	40 0	189.3	1.61	10 ... 10	1889.95	Ho 2	
10955	Σ 2795	Rad ⁺ . 5213	18 13	60 11	301.7	1.45	8.7... 9.5	1833.77	Σ 3	
10956	H 282	W ⁺ XXI ^b . 391	18 26	12 6	60 ±	10-15	9 ... 20	1820+	H	
10957	Ku 60	DM (21°) 4538	18 31	22 5	228.1	7.25	10.2... 10.3	1901.40	Ku 2	Kustner (3802)
10958	Howe 56	O. Arg. 8. 21368	18 33	-20 54	142.9	8.22	8.0... 10.0	1879.54	Cin 1	
10959	H 1641	B. A. C. 7437	18 34	23 46	327.5	30 ±	6 ... 14	1828+	H	
10960	H 1642	DM (54°) 2526	21 18 35	54 32	177.5	13 ±	10 ... 11	1828+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
10961	H 3027	DM (70°) 1178	21 ^h 18 ^m 37 ^s	70° 40'	121° 5	25" ±	9 ... 9-10	1830+	H	
10962	β 447	Vulpeculae 129	18 46	24 48	330.4	8.54	6.5...12.5	1878.21	β 2	
10963	Hu 591	DM (51°) 3052	18 47	51 43	151.0	0.68	9.0... 9.5	1902.53	Hu 3	(Bul. L. O. No. 27)
10964	A 764	A. G. Hels. 12127	18 50	57 3	254.1	0.40	8.0... 9.2	1904.47	A 2	
10965	Ho 158	W ⁺ XXI ^b . 397	18 51	-10 25	349.4	1.10	9.0... 9.5	1883.78	Ho 2	
10966	Σ 55, App. I	Cygni 332, 334	18 57	36 50	302.5	365.42	6.0... 6.6	1835.67	Σ 5	Yel.: wh.
10967	Hu 370	DM (20°) 4906	19 11	20 45	110.3	2.04	8.8...13.6	1901.68	Hu 4	(Bul. L. O. No. 12)
10968	H 5269	Cord. DM (23°) 16904	19 13	-23 55	342.6	4 ±	10=10	1834.6	H	
10969	β 164	L 41645	19 13	8 52	241.6	0.57	8.0... 8.5	1875.48	Δ 3	A and B } AC=
					242.2	26.51	7.0... 8.7	1828.80	Σ 3	AB and C } 2793
10970	β 767	Lac. 8809	19 19	-43 4	146.1	3.40	6.0... 9.0	1879.70	β 2	
10971	OΣ 439	W ⁺ XXI ^b . 414	19 25	1 32	220.6	15.43	7.3...11.2	1850.48	Δ 3	7.3 wh.
10972	Hn 44	O. Arg. N. 22177	19 25	50 1	272.3	2.71	8.4...10.4	1881.47	β 3	
10973	A 765	A. G. Bonn 15437	19 31	46 39	41.5	0.31	7.0... 8.0	1904.42	A 1	A and B }
					330.6	6.40	14.0...14.5	1904.42	A 1	C and D }
					24.6	25.75	....	1904.42	A 1	AB and C }
10974	H 1643	....	19 33	48 56	24.0	15 ±	10 ...12	1828+	H	"Place ill-determined"
10975	Hn 166	O. Arg. S. 21387	19 39	-21 56	60 ±	3 ±	9 ...12	....	Hn	
10976	Hd 165	....	19 48:	-28 50:	137.	10 ±	8½...11	1868.82	Hd	
10977	See 446	ξ Capricorni	19 49	-22 56	13.7	21.47	4 ...14	1897.28	See 3	
10978	H 1644	DM (47°) 3396	20 18	47 30	122.2	20 ±	9 ...11	1828+	H	"The chief star of a poor cluster"
10979	H 5271	....	20 43	-25 24	40.7	1½ ±	10 ...11½	1834.6	H	
10980	β 683	L 41683	20 43	-20 44	198.4	2.04	8.5...11.0	1877.53	β 1	
10981	H 1645	DM (49°) 3517	20 46	49 43	38.2	7 ±	10 ...11-12	1828+	H	
10982	H 3028	DM (6°) 4826	20 47	6 11	243.8	12 ±	10 ...12	1830+	H	
10983	S 790	69 Cygni	20 53	36 9	258.6	40.30	6 ...12	1825.27	S 2	
10984	A 618	A. G. Bonn 15471	20 55	41 7	266.1	0.34	8.7... 9.5	1903.57	A 3	(Bul. L. O. No. 50)
10985	Σ 2797	DM (13°) 4708	20 56	13 10	213.3	3.18	6.7... 8.2	1830.37	Σ 3	Very wh.: ash
10986	Σ 2798	DM (64°) 1538	21 2	64 25	147.1	6.42	7.8... 9.7	1832.30	Σ 3	7.8 yel'sh wh.
10987	Hu 592	DM (51°) 3061	21 9	51 57	326.5	1.02	8.2...13.0	1902.54	Hu 3	(Bul. L. O. No. 27)
10988	H 283	....	21 21:	-11 20:	55 ±	10-12	13 ...14	1820+	H	
10989	Schj. 28	L 41705	21 22	-13 57	131.8	2.71	9.3...10.0	1876.45	Δ 3	
10990	A 766	A. G. Hels. 12176	21 24	57 3	204.6	0.49	9.0...10.2	1904.47	A 2	
10991	H 935	....	21 26	33 44	30 ±	12 ±	11 ...11+	1820+	H	
10992	H 3029	SD (19°) 6102	21 27	-19 37	358.3	18 ±	9-10...10	1830+	H	
10993	Ho 159	DM (43°) 3925	21 53	43 18	191.3	6.07	8.5...13	1886.85	Ho 3	
10994	Σ 2801	DM (79°) 701	22 4	79 50	273.0	1.42	7.3... 8.0	1832.38	Σ 3	Yel.: ashy yel.
10995	β 1141	O. Arg. N. 22270	22 6	57 43	165.9	2.72	7.7...13.2	1889.58	β 3	
10996	A 619	A. G. Bonn 15503	22 11	41 57	57.3	0.69	8.2... 8.9	1903.68	A 3	(Bul. L. O. No. 50)
10997	β 369	Rad ² . 5237	22 31	52 14	31.9	16.26	7.3...11.3	1891.50	β 3	
10998	H 1646	....	22 44	42 44	124.3	12 ±	9 ...13	1828+	H	
10999	Hu 276	DM (7°) 4698	22 45	7 12	27.3	0.91	9.3... 9.7	1900.62	Hu 3	(A. J. 494)
11000	Ku 61	DM (37°) 4317	22 56	38 4	272.7	3.81	9.5...10.0	1901.30	Ku 2	Kustner (3821)
11001	Σ 2799	Pegasi 20	23 2	10 34	332.9	1.35	6.6... 6.6	1831.82	Σ 6	Yel'sh
11002	Hu 490	DM (17°) 4591	23 8	17 38	211.9	0.32	9.0...11.5	1901.63	Hu 4	(Bul. L. O. No. 21)
11003	Ho 160	DM (42°) 4107	23 26	42 33	171.3	1.92	8.3... 9.0	1886.87	Ho 2	
11004	See 448	Cord. G. C. 29468	23 29	-24 57	249.1	1.29	7.9...11.9	1897.68	See 2	
11005	H 1647	W ⁺ XXI ^b . 536	23 30	21 39	179.4	30 ±	6 ...12	1828+	H	A and B }
					134.8	31 ±	...14	1828+	H	A and C }
11006	β 72	W ⁺ XXI ^b . 511	23 43	- 5 55	45.2	1.82	9.0...11.2	1877.06	Δ 3	
11007	β 684	W ⁺ XXI ^b . 517	23 53	- 5 57	133.9	1.11	9.0... 9.2	1878.62	β 1	
11008	H 1648	....	24 2	57 16	26.4	4 ±	12 ...12	1828+	H	
11009	H 1649	....	24 4	56 25	205.7	6 ±	10-11...10-11	1828+	H	
11010	Σ 2807	Redhill 3266	24 4	82 0	316.5	2.30	8.2... 8.3	1837.05	Σ 2	White
11011	OΣ 440	P XXI ^b . 166	24 6	59 14	189.1	12.38	6.2...10.5	1848.10	OΣ 3	6.2 golden
11012	H 284	W ⁺ XXI ^b . 534	21 24 24	14 29	320 ±	30 ±	9 ...11	1820+	H	"Small star blue"

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
11013	Σ 2800	DM (49°) 3533	21 ^h 24 ^m 31 ^s	49° 21'	255° 8	9'.12	8.5...10.0	1832.28	Σ 3	
11014	β 685	2 Pegasi	24 31	23 7	334.1	29.82	5.5...12.5	1878.05	β 2	
11015	H 1651	DM (47°) 3424	24 32	47 38	328.0	9±	10 ... 11	1828+	H	
11016	H 3030	....	24 34	-22 47	113.9	6±	11 ... 13	1830+	H	
11017	β 448	L 41874	24 36	44 24	....	2±	7.0...11.0	1876	β	
11018	Hu 277	DM (6°) 4842	24 40	6 39	108.6	1.09	8.3...12.2	1900.62	Hu 3	(A. J. 494)
11019	See 449	L 41810	24 41	-19 46	197.0	1.82	6 ... 12.8	1897.73	See 1	
11020	Espin 99	DM (44°) 3833	24 43	44 28	199.5	4.7	8.6...12.0	1901	Es	
11021	Espin 100	DM (44°) 3835	24 51	44 41	158.5	3.6	8.9... 9.3	1901	Es	(A. N. 3784)
11022	β 1142	DM (56°) 2579	25 7	56 39	353.9	0.41	8.7... 8.7	1889.59	β 3	
11023	H 3035	O. Arg. N. 22363	25 7	72 3	131.5	18±	9-10...10	1830+	H	A and B }
					198.7	25±	... 14	1830+	H	A and C }
11024	H 1652	....	25 9	33 31	46.6	8±	10-11...11	1828+	H	
11025	Schj. 29	W ⁺ XXI ^b . 545	25 11	-14 2	....	58±	9 ... 9.5	....	....	From Schj. (1485)
11026	β 73	β Aquarii	25 14	- 6 6	184.9	54.51	3 ... 11.5	1879.57	β 3	A and C }
					318.9	34.26	... 10.9	1879.34	β 2	A and B }
11027	A 767	A. G. Bonn 15591	25 18	47 1	178.5	1.07	9.0...12.0	1904.45	A 1	
11028	Hn 45	W ⁺ XXI ^b . 591	25 21	34 32	17.8	1.28	8.5... 9.1	1881.49	β 3	
11029	H 3031	DM (1°) 4492	25 27	1 9	257.1	12±	9-10...11	1830+	H	
11030	H 1654	O. Arg. N. 22356	25 33	61 6	26.6	6±	9-10...10	1828+	H	
11031	H 1656	DM (64°) 1552	25 42	64 53	147.8	11±	10 ... 12	1828+	H	A and B }
					13.5	15±	... 11	1828+	H	A and C }
11032	Σ 2803	O. Arg. N. 22370	25 54	52 24	290.2	23.23	7.4... 9.0	1832.16	Σ 4	7.4 very wk.
11033	O Σ 441	L 41919	25 55	41 41	320.2	6.98	7.5...10.2	1847.10	O Σ 3	
11034	A 768	A. G. Bonn 15605	26 5	45 48	333.6	0.58	9.1... 9.7	1904.42	A 2	
11035	H 1653	....	26 12	36 20	202.5	12±	10-11...12	1828+	H	
11036	A 769	A. G. Bonn 15612	26 25	47 20	283.2	0.71	8.5... 9.0	1904.45	A 1	
11037	H 3033	Lam. 6020	26 28	6 16	246.2	25±	9 ... 10	1830+	H	
11038	A 770	A. G. Bonn 15613	26 29	47 56	330.5	1.78	8.5...10.0	1904.45	A 1	
11039	H 3032	W ⁺ XXI ^b . 586	26 31	4 21	102.9	10±	8 ... 16	1830+	H	
11040	Ho 161	W ⁺ XXI ^b . 621	26 37	39 32	358.4	2.80	7.0...11.0	1881.58	Ho 2	
11041	H 1655	DM (14°) 3622	26 39	14 19	22.4	12±	9-10...11	1828+	H	
11042	Σ 2802	DM (33°) 4285	26 45	33 17	11.3	3.84	8.0... 8.0	1830.48	Σ 3	White
11043	H 937	....	26 48	7 19	165±	7±	11 = 11	1820+	H	From H (V)
11044	Hu 593	DM (49°) 3540	26 54	49 36	59.4	1.70	8.8... 9.0	1902.54	Hu 3	(Bul. L. O. No. 27)
11045	Ho 603	L 41950	27 1	33 40	270.8	3.26	9 ... 10.5	1896.41	Ho 3	B and C } (A. N. 3558)
					251.9	80.55	7 ...	1896.41	Ho 3	A and B }
11046	Σ 2806	β Cephei	27 6	70 2	250.0	13.57	3.0... 8.0	1832.26	Σ 7	Greenish wh.: blue
11047	H 3036	....	27 7	-15 16	90.0	2±	11 = 11	1830+	H	"Very neat"
11048	A. G. 272	DM (44°) 3852	27 8	44 37	181.8	4.08	9.0... 9.3	1900.79	Es 1	
11049	H 3038	....	27 9	59 22	109.0	15±	9-10...11-12	1830+	H	
11050	A 771	A. G. Bonn 15635	27 11	47 45	66.1	0.28	7.7... 8.0	1904.45	A 1	
11051	Σ 2804	Pegasi 29	27 26	20 11	314.4	2.93	7.3... 8.0	1828.75	Σ 2	White
11052	H 3037	SD (17°) 6308	27 28	-17 47	341.9	20±	10 ... 14	1830+	H	8.7 m. in SD
11053	Ho 162	DM (39°) 4582	27 36	39 30	329.1	3.20	9.0... 9.5	1883.28	Ho 2	(A. N. 2779)
11054	Ho 288	L 41947	27 51	- 4 54	277.9	17.02	6.5...13	1887.74	Ho 1	
11055	Ho 604	DM (39°) 4586	27 52	39 16	314.5	4.84	9.0... 9.5	1895.63	Ho 2	(A. N. 3558)
11056	β 165	L 41954	27 55	- 3 59	176.6	4.77	8.7...10.8	1876.10	β 3	
11057	H 1657	....	28 :	47 54	10±	10±	....	1828+	H	"In a cluster"
11058	β 370	O. Arg. N. 22429	28 15	52 13	326.5	3.46	8.5... 9.0	1876.67	β 4	
11059	A 296	SD (8°) 5685	28 17	- 7 56	58.6	2.70	8.0...14.2	1901.54	A 3	
11060	β 273	W ⁺ XXI ^b . 646	28 33	10 55	93.1	5.77	8.1...12.0	1875.84	β 4	
11061	Σ 3112	DM (8°) 4695	28 36	8 58	238.8	6.98	7.6... 9.4	1831.70	Σ 5	7.6 yel. (= O Σ 528)
11062	Innes 380	L 41984	28 51	-19 18	356.0	1.34	....	1900.84	I 1	(M. N. LXI, 609)
11063	Σ 2805 rej.	SD (12°) 6035	29 4	-12 19	....	Cl. IV	8 ... 10	....	Σ	(See p. 1084)
11064	H 1658	....	21 29 10	55 35	147.0	8±	10 ... 12	1828+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
11065	H 1659	O. Arg. N. 22454	21 ^h 29 ^m 18 ^s	58° 8'	312° 2	9" ±	9-10...10	1828+	H	
11066	Lassell	DM (31°) 4498	29 35	31 32	134.2	21.51	9.6...10.7	1903.01	β 2	A and a
					210.6	19.86	10.2...11.7	1903.01	β 2	B and b
					199.8	12.75	10.2...11.9	1903.01	β 2	C and c
					83.3	82.44	....	1903.01	β 2	A and B
					127.0	106.44	....	1903.01	β 2	A and C
11067	H 5518	....	29 37	-10 55	170 ±	18 ±	11 = 11	1823+	H	
11068	β 74	L 42052	29 40	20 52	319.5	1.43	7.1... 9.0	1876.09	Δ 5	
11069	H 3039	Schj. 8747	29 49	0 9	159.9	12 ±	9 ... 9-10	1830+	H	
11070	H 1660	....	29 57	45 27	217.8	3 ±	12 ... 13	1828+	H	"One of a cluster"
11071	Espin 33	DM (49°) 3555	29 58	49 57	95.0	4.54	8.8...10.7	1899.83	Es 2	(A. N. 3717)
11072	Hu 371	DM (23°) 4346	30 1	23 55	162.7	0.22	7.0... 7.5	1901.78	Hu 4	(Bul. L. O. No. 10)
11073	H 1665	DM (65°) 1599	30 1	65 35	72.6	18 ±	9-10...11	1828+	H	8.4 in DM
11074	W V. 28	DM (70°) 1179	30 4	70 5	....	30 ±	....	1781.37	H	"Near β Cephei"
11075	Hu 771	DM (77°) 823	30 7	77 24	192.0	2.58	7.0...11.0	1904.48	Hu 1	
11076	β 166	O. Arg. N. 22487	30 17	59 48	259.3	1.16	7.4...10.2	1875.54	Δ 4	
11077	H 3040	Capricorni	30 22	-20 0	47.4	60 ±	5 ... 9	1830+	H	
11078	Hu 87	SD (12°) 6041	30 29	-11 57	232.6	3.97	9.0...14.0	1899.82	Hu 1	(A. J. 480)
11079	H 938	W XXI ^b . 692	30 30	7 21	165 ±	15 ±	9 ... 16	1820+	H	
11080	H 5282	SD (17°) 6323	30 30	-16 55	80.3	17.99	9½...10	1836.64	H 1	
11081	H 939	W XXI ^b . 718	30 34	30 28	170 ±	6 ±	8 ... 14	1820+	H	A and B }
					340 ±	10 ±	12 ... 16	1820+	H	C and D }
11082	H 940	....	30 34	30 31	320.4	19.42	9.0... 9.3	1879.61	Cin 1	
11083	H 1661	DM (25°) 4575	30 34	25 50	89.0	7 ±	10 = 10	1828+	H	"Neat." 8.5 in DM
11084	OΞ 442	P XXI ^b . 221	30 45	61 16	10.8	0.59	8.0... 8.2	1847.77	OΞ 3	(See p. 1084)
11085	Ho 163	W XXI ^b . 723	30 48	31 5	43.1	6.94	8.0...13	1886.79	Ho 2	
11086	H 1664	DM (32°) 4204	30 49	32 47	271.0	4 ±	10 ... 10	1828+	H	
11087	H 5284	SD (16°) 5899	30 52	-16 50	268.9	51.02	8 ... 10	1836.64	H 1	
11088	β 167	Cygni 363	31 0	29 31	89.2	2.08	7.0...11.4	1876.48	Δ 4	
11089	Σ 2810	O. Arg. N. 22522	31 4	58 34	290.2	16.94	7.5... 8.5	1831.28	Z 2	
11090	H 1666	....	31 5	43 0	233.2	6 ±	11 ... 11+	1828+	H	
11091	H 3044	DM (70°) 1184	31 12	71 2	78.9	10 ±	10 ... 10+	1830+	H	"Neat"
11092	Hu 594	DM (51°) 3099	31 14	51 48	265.0	3.68	9.0...12.5	1902.52	Hu 2	(Bul. L. O. No. 97)
11093	H 1662	SD (8°) 5699	31 15	- 8 16	126.0	10 ±	10 ... 12	1828+	H	
11094	H 1663	SD (8°) 5700	31 16	- 8 18	68.3	7 ±	10 ... 13	1828+	H	A and B }
					90 ±	15 ±	....	1828+	H	A and C }
11095	Σ 2809	B. A. G. 7515	31 24	- 0 56	163.5	31.05	6.0... 8.4	1828.77	Z 5	6.0 wh.
11096	Σ 2812	DM (59°) 2399	31 24	59 9	126.4	2.11	8.7... 9.2	1832.49	Z 3	Yel'sh
11097	Ho 463	W XXI ^b . 755	31 30	42 21	150.8	0.25	8.5... 8.5	1893.79	Ho 1	
11098	A. G. 273	A. G. Lund 10230	31 30	39 39	4.9	8.31	9.5... 9.9	1902.62	β 2	
11099	H 3042	....	31 37	51 0	47.6	16 ±	9-10...11	1830+	H	
11100	OΞ 443	DM (6°) 4867	31 39	6 10	348.8	8.20	8.0... 8.3	1847.19	OΞ 3	White
11101	Innes 302	L 42108	31 41	-11 26	89.4	2.48	9 ... 10	1900.84	I 1	
11102	Hu 46	DM (35°) 4585	31 39	35 52	200.4	1.18	9.5... 9.8	1881.54	β 3	
11103	Σ 56, App. I	3 Pegasi	31 45	6 5	349.4	39.14	6.0... 7.4	1834.91	Z 6	White
11104	H 1667	....	31 55	12 40	198.3	12 ±	10 ... 11	1828+	H	
11105	H 1668	DM (23°) 4355	31 56	23 8	34.2	7 ±	10 ... 12	1828+	H	
11106	H 1669	DM (49°) 3562	31 56	49 58	239.8	12 ±	8 ... 13	1828+	H	Whites red
11107	Σ 57, App. I	Cephei 121, 123	31 58	66 12	26.1	179.09	6.5... 6.5	1836.59	Z 6	Yel'sh
11108	Espin 101	....	32 :	45 37:	13.7	3.2	9.5...11.0	1901	Es	(A. N. 3784)
11109	H.C. Wilson 23	....	32 :	67 0:	201.5	15.57	9.2...11.8	1893.37	W 2	
11110	Σ 2811 reg.	DM (-0°) 4244	32 8	- 0 52	268.0	29.14	8.9...11.0	1904.46	β 2	
11111	See 451	O. Arg. S. 21537	32 15	-30 51	256.7	11.94	8.1...13	1896.77	See 2	
11112	Σ 2813	O. Arg. N. 22553	32 21	56 56	272.8	10.14	8.5... 9.0	1832.15	Z 2	White
11113	H 5285	Cond. DM (30°) 18754	32 23	-30 0	290.5	10 ±	9 ... 10	1834.7	H	
11114	Hall	SD (16°) 5905	21 32 25	-15 59	124.2	2.14	8.5...13	1877.83	H1 2	

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
11115	H 941	4 Pegasi	21 ^h 32 ^m 31 ^s	5° 14'	360° ±	15" ±	6-7...17	1820+	H	
11116	A 297	L 42145	32 31	- 8 56	79.4	2.61	8.8...13.9	1901.54	A 3	
11117	Hu 88	SD (13°) 5982	32 37	-12 54	224.9	1.32	9.2...12.0	1899.62	Hu 3	(A. J. 480)
11118	H 3043	O. Arg. S. 21543	32 49	-19 45	133.4	30 ±	8-9... 9	1830+	H	
11119	Hu 372	DM (22°) 4445	32 50	23 4	142.2	0.30	9.0... 9.0	1901.78	Hu 3	(Bul. L. O. No. 12)
11120	Espin 34	DM (49°) 3568	32 51	50 0	140.0	2.65	8.3... 9.0	1899.96	Es 2	A and B }
					69.7	39.50	... 8.7	1899.96	Es 2	A and C }
11121	β 371	O. Arg. N. 22566	32 58	58 10	4.0	8.39	8.2...10.7	1876.58	Δ 3	
11122	H 1670	....	33 0	29 26	88.0	6 ±	10-11=10-11	1828+	H	
11123	H 1671	DM (50°) 3380	33 0	50 18	328.4	9 ±	9-10...10	1828+	H	"Neat"
11124	A 402	A. G. Bonn 15772	33 13	41 20	41.8	0.71	8.5...11.5	1902.91	A 2	(Bul. L. O. No. 29)
11125	β 1212	24 Aquarii	33 20	- 0 36	254.5	0.45	6.5... 6.9	1890.75	β 3	A and B }
					141.0	44.46	...10.9	1891.76	β 2	AB and C }
11126	OΞ 444	L 42202	33 30	20 4	275.7	7.96	7.4...10.4	1850.98	OΞ 5	
11127	Cordoba	Cord. G. C. 29658	33 30	-18 58	62.9	4.91	8 ... 8.5	1897.75	See 1	
11128	Espin 102	DM (47°) 3505	33 36	47 57	35.5	11.6	8.1...10.0	1901	Es	(A. N. 3784)
11129	β 686	Rad ¹ . 5329	33 43	55 13	127.9	0.48	7.7... 8.0	1877.70	Δ 1	A and B }
					11.0	41.22	... 8.3	1875.96	Δ 3	AB and C }
11130	OΞ 445	W ² XXI ^b . 808	33 45	20 11	113.1	0.78	8.0... 8.5	1847.45	OΞ 3	
11131	Da 15	L 42240	33 46	42 45	72.2	1.30	7.2...10.1	1873.89	Δ 4	
11132	Kr 54	A. G. Hels. 12370	33 46	58 28	129.2	16.36	9.0... 9.1	1890.76	β 1	
11133	Σ 2814	DM (35°) 4599	33 56	35 50	162.5	7.82	8.3... 9.8	1831.10	Σ 3	8.3 wk.
11134	Δ 25	O. Arg. N. 22606	33 59	57 1	151.0	0.9 ±	8.2...10.0	1867.74	Δ 4	A and B }
					81.5	7.31	8.2...10.0	1832.43	Σ 4	AB and C } AC = Σ 2815
11135	H 1672	....	33 59	56 56	261.0	12 ±	10 ...11	1828+	H	
11136	See 452	O. Arg. S. 21558	34 6	-26 23	102.4	11.47	8.2...13.5	1896.84	See 2	
11137	A. G. 274	DM (22°) 4455	34 6	22 49	153.5	8.68	9.0... 9.5	1902.78	M 3	
11138	Hn 47	DM (49°) 3578	34 9	49 23	228.9	6.63	8.4...12.0	1881.49	β 3	
11139	OΞ 446	DM (3°) 4597	34 13	3 12	172.7	6.07	7.5...10.2	1849.46	OΞ 3	
11140	A 772	A. G. Camb. 12759	34 15	29 37	24.6	0.26	8.7... 9.0	1904.48	A 1	
11141	H 3047	....	34 25	8 16	50.4	5 ±	11 ...13	1830+	H	
11142	H 1673	DM (43°) 3995	34 29	43 48	265.2	3 ±	10-11...10-11	1828+	H	
11143	β 1331	DM (43°) 3996	34 34	43 39	352.7	0.84	8.8... 9.6	1903.41	β 4	
11144	H 3046	Cord. DM (28°) 17405	34 37	-28 45	77.3	10 ±	9-10...11-12	1830+	H	"Indistinct"
11145	β 449	Rad ¹ . 5335	34 42	41 11	19.1	6.78	7.1...12.7	1876.80	β 1	A and B }
					248.2	17.94	...12.1	1876.80	β 1	A and D } AE =
					169.4	13.96	...11.1	1848.30	OΞ 4	A and C } OΞ 447
					45.3	29.00	... 7.9	1848.30	OΞ 4	A and E }
11146	H 1674	....	34 42	49 7	330.2	9 ±	10 ...13	1828+	H	
11147	Espin 140	DM (56°) 2614	34 42	56 26	....	5.	8.5...13.1	1902	Es	(M. N. LXIII, 172)
11148	Da 14	L 42263	34 46	42 44	351.3	3.65	8.2...10.7	1891.78	β 2	
11149	H 1677	DM (58°) 2298	34 46	58 28	128.8	13 ±	9-10...10	1828+	H	8.9m. in DM
11150	H 1680	....	34 48	63 30	263.8	10 ±	10 ...12	1828+	H	A and B }
					224.5	10 ±	...13	1828+	H	A and C }
11151	β 687	Rad ¹ . 5340	34 53	55 15	8.4	0.89	8.0... 9.0	1878.65	β 1	
11152	Ho 464	L 42230	34 55	-15 23	102.1	17.14	7.0...11.3	1893.25	Ho 2	
11153	H 1675	W ² XXI ^b . 844	35 0	38 58	263.0	15 ±	9 ...15	1828+	H	
11154	H 942	....	35 3	- 3 13	115 ±	3 ±	11 ...12	1820+	H	
11155	H 3051	....	35 5	72 14	175.4	9 ±	10 = 10	1830+	H	
11156	See 453	O. Arg. S. 21571	35 7	-25 12	324.9	11.96	7 ...12.8	1897.75	See 1	
11157	H 1676	O. Arg. N. 22629	35 8	46 39	135.7	20 ±	8-9...10-11	1828+	H	
11158	See 454	41 Capricorni	35 10	-23 48	198.0	5.17	6 ...13.5	1897.82	See 1	
11159	H 5291	W ² XXI ^b . 813	35 12	-14 44	106.8	24.36	9.0... 9.7	1890.55	Gla 1	
11160	β 1143	P XXI ^b . 248	21 35 14	56 57	323.5	1.55	6.0...13.7	1889.62	β 3	A and B } ACD =
					120.1	11.66	... 7.9	1832.94	Σ 5	A and C } Σ 2816
					339.7	19.96	... 8.0	1832.94	Σ 5	A and D } A 2nd 1st CD 2nd 1st wk.

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
11161	H 5519	....	21 ^h 35 ^m 21 ^s	- 8° 49'	50° ±	12' ±	11 ... 11	1827.6	H	
11162	H 3046	....	35 27	-15 5	282.5	4 ±	12 = 12	1830+	H	"A third star 18 m. near"
11163	H 1679	....	35 28	43 49	85.8	3 ±	10 ... 11	1828+	H	"Elegant"
11164	A. Clark 20	75 Cygni	35 28	42 44	322.3	2.71	5.2...10.5	1875.16	Δ 6	A and B }
					254.6	54.44	... 9.4	1875.69	Δ 4	A and C }
11165	H 1681	O. Arg. N. 22655	35 39	47 52	114.3	5 ±	10 ... 11	1828+	H	"Duplex 9 m." in O. Arg.
11166	A. G. 275	A. G. Liden 9070	35 40	35 50	14.0	10.87	9.5...10.0	1902.64	β 2	
11167	H 3049	DM (1°) 4526	35 40	1 12	3.2	20 ±	10 ... 10+	1830+	H	
11168	OZ 448	L 42293	35 42	28 48	247.7	0.70	7.7... 8.7	1845.64	OZ 3	
11169	Hu 278	DM (5°) 4847	35 45	5 52	221.9	3.86	8.3...12.0	1900.64	Hu 2	(A. J. 494)
11170	A 298	SD (6°) 5801	35 46	- 6 28	141.5	2.75	8.8...12.8	1901.87	A 2	
11171	β 372	DM (50°) 3403	35 48	51 1	352.7	1.89	8.5...10.6	1876.93	Δ 4	
11172	H 3050	DM (6°) 4882	35 55	6 35	50.8	25 ±	9-10...10	1830+	H	
11173	Ho 164	DM (34°) 4492	35 58	34 32	61.8	3.04	8.0... 8.0	1882.19	Ho 4	A and B }
					238.6	25.24	...12	1892.77	Ho 2	A and C }
11174	Hu 279	DM (6°) 4884	36 18	6 42	357.8	2.55	9.0... 9.1	1900.74	Hu 2	(A. J. 494)
11175	Z 2817	DM (-0°) 4251	36 19	- 0 6	156.3	25.94	8.2... 8.5	1828.75	Z 3	White
11176	Hu 280	DM (5°) 4851	36 19	5 22	138.2	0.19	7.7... 8.1	1900.62	Hu 2	(A. J. 494)
11177	Z 2818 rej.	DM (18°) 4841	36 23	18 25	....	Cl. IV	8 ... 10	....	Z	
11178	β 274	W ⁺ XXI ^b . 881	36 26	38 56	180.7	3.45	7.8...10.9	1875.93	Δ 7	
11179	Ho 165	L 42332	36 28	18 27	62.7	0.39	8.0... 8.2	1886.78	Ho 2	
11180	See —	SD (21°) 6076	36 32	-20 58	57.3	3.70	7.1...10.7	1897.80	See 1	(A. N. 3496)
11181	Espin 35	R U Cygni	36 38	53 47	223.6	11.10	Var...11.5	1899.82	Es 3	A and B }
					29.3	18.64	...10.2	1899.82	Es 3	A and C }
11182	Z 2819	P XXI ^b . 256	36 38	57 2	57.2	12.38	7.5... 8.5	1832.43	Z 4	White
11183	A 180	L 42312	36 40	- 2 58	38.5	0.65	8.7... 8.8	1900.87	A 3	
11184	S 796	76 Cygni	36 45	40 16	229.1	65.64	6 ... 10	1824.82	S 2	
11185	Hu 373	DM (17°) 4626	36 46	17 17	317.0	0.91	8.5...12.0	1901.63	Hu 4	(Bul. L. O. No. 12)
11186	Hu 167	SD (14°) 6111	36 53	-14 43	288.4	1.86	10.4...10.8	1888.72	Com 3	
11187	β 373	....	37 1	48 47	171.0	4.12	10.1...12.0	1876.58	Δ 3	
11188	Howe 57	O. Arg. S. 21592	37 4	-27 4	301.7	1.75	8.0... 9.5	1877.72	Cin 2	
11189	OZ 449	L 42446	37 4	74 41	123.0	1.26	7.8... 9.8	1848.10	OZ 3	
11190	Lv 10	W ⁺ XXI ^b . 861	37 6	-11 41	270.8	1.27	8.2... 9.5	1888.73	Lv 3	
11191	Z 2820 rej.	Cygni 376	37 14	41 53	232.7	16.11	8.1...10.5	1903.38	β 3	
11192	H 1682	....	37 19	13 5	73.8	10 ±	11 ... 12	1828+	H	
11193	H 1683	DM (21°) 4605	37 23	21 20	174.3	5 ±	10 ... 11	1828+	H	A and B }
					307.9	15 ±	...11	1828+	H	A and C }
11194	H 1684	....	37 23	49 55	319.8	8 ±	9-10...12	1828+	H	
11195	A 403	A. G. Bonn 15871	37 28	43 41	78.7	0.38	9.3... 9.5	1902.64	A 3	(Bul. L. O. No. 29)
11196	Z 2823	DM (67°) 1340	37 31	67 35	250.9	1.60	8.5... 9.8	1832.33	Z 3	8.5 wk.
11197	H 3053	Lam. 6118	37 38	6 28	194.0	25 ±	9 ... 10	1830+	H	
11198	H 3052	....	37 39	1 57	300.8	9 ±	11 ... 14	1830+	H	"Difficult"
11199	OZ (App) 222	L 42351	37 43	6 36	257.8	87.48	6.8... 7.7	1874.76	Δ 3	
11200	β 688	Rad ⁺ . 5364	37 43	40 30	208.7	0.35	7.6... 7.6	1878.36	β 5	
11201	Hu 374	DM (23°) 4379	37 57	23 20	38.5	0.33	9.0... 9.0	1901.78	Hu 4	(Bul. L. O. No. 12)
11202	Espin 141	DM (60°) 2281	38 0	60 40	186.6	1.9	9.5... 9.6	1902	Es 1	(M. N. LXIII, 179)
11203	H 3055	....	38 4	57 5	161.3	3 ±	11 ... 12	1830+	H	"A 15 m. star in the same line"
11204	A 299	A. G. Camb. 12823	38 10	26 48	56.9	0.88	8.8...11.1	1901.89	A 4	A and B }
					121.2	0.32	...13.0	1901.93	A 2	B and C }
11205	S 798	ε Pegasi	38 17	9 20	322.7	90.93	....	1782.97	H 1	A and B }
					323.0	138.51	3 ... 10-12	1825.18	S 2	A and C }
11206	See 456	O. Arg. S. 21613	38 22	-20 40	57.2	3.74	8 ... 12.7	1896.84	See 2	
11207	Hd 167	....	38 27:	- 6 44:	312.2	6.26	8.0...13.5	1901.45	A 1	A and B }
					36.4	11.57	...12.0	1901.45	A 1	A and C }
11208	S 799	79 Cygni	21 38 28	37 44	59.4	153.17	5 ... 7	1824.68	S 2	A and B }
					320.1	150 ±	...12-15	1824.53	S 1	A and C }

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
11209	Hu 375	SD (16°) 5938	21 ^h 38 ^m 30 ^s	-16° 9'	169° 6'	0.42	9.0... 9.2	1900.98	Hu 2	(Bul. L. O. No. 22)
11210	Ho 166	W ² XXI ^h . 926	38 31	27 18	124.2	0.37	7.5... 7.5	1886.77	Ho 2	
11211	β 1263	L 42381	38 40	2 17	212.6	0.48	8.5... 10.2	1891.60	β 3	
11212	H 1685	....	38 42	43 44	227.0	13±	11 ... 11+	1828+	H	
11213	β 689	Aquarii 88	38 43	2 26	240.5	1.80	7.5... 10.7	1878.37	β 3	
11214	Σ 2822	μ Cygni	38 46	28 12	114.5	5.56	4.0... 5.0	1831.63	Z 4	A and B } AB mch. bluish wh.
					263.2	35.34	... 11.5	1878.91	β 3	A and C }
					61.3	217.40	... 6.2	1823.69	Sh 3	A and D }
11215	Σ 2821 rej.	SD (14°) 6116	38 47	-14 14	....	III-IV	8 ... 10	....	Z	8.7 m. in SD
11216	Ho 167	DM (44°) 3916	38 49	44 16	46.4	2.25	9 ... 10	1883.82	Ho 2	
11217	β 374	O. Arg. N. 22750	38 59	50 27	143.4	1.86	8.4... 10.3	1877.03	d 5	
11218	Ho 605	....	39 1	34 20	338.2	1.17	9.2... 9.9	1894.29	Ho 2	(A. N. 3556)
11219	H 3054	Cord. DM (27°) 15611	39 4	-27 15	185.5	20±	9 ... 9+	1830+	H	
11220	H 285	....	39 4:	10 7	60±	2-3	11 ... 12	1820+	H	
11221	β 1305	DM (10°) 4622	39 9	10 14	48.2	0.97	9.9... 10.5	1901.64	β 2	B and C }
					91.2	88.66	8.8...	1901.57	β 2	A and BC }
11222	β 989	κ Pegasi	39 13	25 6	137.9	0.2±	4.8... 5.3	1880.68	β 4	A and B } AC= 2.4 mch.
					308.5	11.01	3.9... 10.8	1831.56	Z 5	AB and C } 3.9 yr. 1.2
11223	H 1686	DM (31°) 4538	39 14	31 7	226.0	7±	10 ... 11	1828+	H	
11224	Hu 693	DM (49°) 3605	39 35	50 1	230.4	1.06	8.7... 9.2	1904.35	Hu 2	(Bul. L. O. No. 37)
11225	H 3154	....	39 42:	89 43:	333.0	15±	9-10... 12	1830+	H	
11226	H 5520	....	39 44	-4 5	112±	15±	11 ... 12	1823+	H	
11227	β 690	μ Cephei	39 50	58 14	259.4	19.16	5.0... 12.3	1878.87	β 3	A and B }
					299.4	41.19	... 12.7	1878.42	β 1	A and C }
11228	See 458	O. Arg. S. 21625	39 50	-27 9	92.6	0.41	8 ... 8.4	1897.63	See 1	
11229	H 1687	....	39 52	45 38	238.5	2±	10-11... 11	1828+	H	
11230	H 3058	....	39 54	53 10	274.5	8±	12 ... 13	1830+	H	"In cluster VII, 40"
11231	H 5521	....	39 55	-4 6	293.	20±	10 ... 11	1823+	H	
11232	Ho 606	W ² XXI ^h . 956	39 55	26 49	89.6	16.24	8 ... 12.3	1895.83	Ho 3	(A. N. 3556)
11233	A. G. 276	A. G. Bertin 8379	39 58	21 23	357.2	2.05	8.8... 9.2	1901.70	Hu 3	
11234	Lewis 36	....	40 :	25 0:	295.3	4.36	9.5... 10.0	1900.69	L 1	(M. N. LXI, 486)
11235	OΣ (App) 224	DM (15°) 4491, 4492	40 3	15 12	7.0	58.42	7.7... 8.5	1875.42	d 3	
11236	β 691	DM (17°) 4529	40 4	17 12	328.3	1.16	9.0... 11.5	1877.76	β 1	
11237	H 3057	....	40 12	5 2	13.2	12±	10 ... 11	1830+	H	
11238	Arg. 43	O. Arg. N. 22792	40 21	48 58	....	Cl. III	8-9...	....	....
11239	H 3056	δ Capricorni	40 24	-16 40	299.9	60±	3½... 16	1830+	H	
11240	A. G. 277	A. G. Bertin 8383	40 30	20 38	54.3	2.50	9.0... 9.0	1901.68	Hu 3	
11241	OΣ 450 rej.	L 42440	40 32	5 59	247.1	41.85	7.2... 10.0	1866.73	d 3	
11242	Hu 376	DM (19°) 4780	40 32	19 28	17.7	1.47	8.5... 12.0	1901.64	Hu 3	(Bul. L. O. No. 22)
11243	H 1688	....	40 39	30 42	5.6	12±	10 ... 10-11	1828+	H	
11244	Ho 168	DM (43°) 4037	40 41	43 23	249.2	1.02	8.2... 8.2	1885.81	Ho 2	
11245	Σ 2827	O. Arg. N. 22826	40 46	63 3	210.6	4.27	8.5... 9.0	1832.41	Z 3	White
11246	Σ 2825	DM (0°) 4779	40 46	0 18	100.2	1.09	8.0... 8.2	1827.72	Z 3	Yel'ish
11247	Hu 377	SD (21°) 6093	40 49	-21 19	138.6	0.54	9.5... 9.8	1901.31	Hu 3	A and B } (Bul. L. O. No. 12)
					341.8	4.69	... 11.8	1901.13	Hu 2	AB and C }
11248	Ho 465	L 42466	40 52	21 37	245.8	42.22	7.2... 9.2	1893.43	Ho 3	A and B } (A. N. 3534)
					80.0	3.60	... 11.0	1893.43	Ho 3	B and C }
11249	Howe 58	W ² XXI ^h . 950	40 57	-13 42	104.7	0.64	8.0... 9.1	1890.64	β 3	A and B } AC= 2.4 mch.
					82.5	4.26	8.0... 8.5	1829.44	Z 4	AB and C }
11250	A 181	SD (3°) 5300	40 57	-3 19	109.2	1.17	9.7... 9.8	1900.76	A 3	
11251	β 1036	Yar. 9529	40 59	-17 51	205.9	4.53	8.0... 11.0	1888.74	β 3	
11252	H 1689	W ² XXI ^h . 999	41 23	44 33	46.1	3±	10 ... 13	1828+	H	
11253	H. N. 130	....	41 24:	-14 54:	....	Cl. I	....	1801.69	H	
11254	O. Stone 55	O. Arg. S. 21650	41 25	-27 42	178.4	3.53	7.5... 8.5	1879.68	Cin 1	
11255	Ho 608	DM (26°) 4267	41 25	26 45	119.9	0.39	8.2... 9.7	1895.83	Ho 2	
11256	Barnard 15	SD (2°) 5637	21 41 29	-2 16	78.8	0.36	9.0... 9.5	1900.53	A 3	

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
11257	H 943	....	21 ^h 41 ^m 50 ^s	26° 14'	330° ±	4" ±	10 = 10	1820+	H	
11258	H 1692	....	41 59	46 39	260.8	12 ±	10 ... 11	1828+	H	
11259	A 300	A. G. Camb. 12896	42 6	28 1	252.0	1.81	8.4... 11.0	1901.86	A 3	A and B
					5.6	5.56	... 15.5	1901.89	A 1	A and C
					177.7	8.98	... 16.0	1901.89	A 1	A and D
11260	H 1691	L 42489	42 15	- 6 48	275.5	10 ±	9 ... 13	1828+	H	
11261	Ho 466	DM (34°) 4525	42 15	34 20	138.9	1.39	8.7... 9.2	1893.29	Ho 2	
11262	H 1694	DM (57°) 2395	42 23	57 14	15.7	15 ±	9-10... 10	1828+	H	
11263	Hu 378	DM (20°) 5016	42 28	20 26	345.9	0.61	9.0... 9.8	1901.68	Hu 3	(Bul. L. O. No. 18)
11264	A 404	A. G. Bonn 15969	42 28	41 15	95.7	4.09	8.6... 13.5	1902.63	A 2	
11265	A 405	A. G. Bonn 15971	42 35	42 23	274.8	1.70	9.0... 13.2	1902.64	A 3	(Bul. L. O. No. 89)
11266	H 1693	....	42 42	14 6	310.3	6 ±	11 ... 11-12	1828+	H	
11267	Σ 2837	Redhill 3323	42 49:	82 23	321.3	2.16	8.5... 9.0	1832.30	Σ 3	White
11268	Cordoba	Cord. 21 ^h . 1337	42 53	-26 12	306.9	2.33	8.8... 9.8	1896.82	See 4	
11269	Hu 281	DM (4°) 4749	42 53	4 49	327.4	1.58	9.0... 9.6	1900.64	Hu 2	(A. J. 494)
11270	H 1696	DM (65°) 1645	43 11	65 15	140.2	10 ±	10 ... 13	1828+	H	"The chief star in a cluster"
11271	H 1695	....	43 21	30 41	113.8	7 ±	9 ... 11	1828+	H	
11272	Σ 2828	DM (2°) 4424	43 26	2 50	142.5	23.79	8.0... 9.0	1829.09	Σ 3	A and B
					37.0	3.64	... 9.2	1829.09	Σ 3	B and C } White
11273	H 3060	DM (8°) 4744	43 41	8 46	198.0	16 ±	9-10... 10	1830+	H	
11274	H 3059	Lac. 8937	43 48	-28 30	257.9	15 ±	7 ... 11	1830+	H	
11275	β 1306	DM (22°) 4484	43 58	23 1	295.0	31.31	8.0... 12.3	1901.42	β 3	A and B
					343.1	1.22	12.2... 12.6	1901.55	β 3	C and D
					275.9	32.92	....	1901.42	β 3	A and CD
11276	Σ 2829	DM (30°) 4537	44 7	30 12	15.6	17.05	8.2... 8.9	1831.90	Σ 4	White
11277	See 460	O. Arg. S. 21684	44 15	-20 45	113.4	0.45	7.6... 8.1	1897.74	See 1	
11278	A 301	SD (8°) 5749	44 17	- 8 21	116.9	0.70	9.0... 9.3	1901.79	A 3	
11279	Hu 48	O. Arg. N. 22899	44 18	51 3	22.9	4.44	8.6... 8.9	1881.47	β 3	
11280	H 286	DM (11°) 4669	44 31	11 44	255 ±	12 ±	9 ... 11	1820+	H	
11281	Ho 169	W ^o XXI ^b . 1067	44 31	35 33	134.8	3.20	8.0... 12	1882.68	Ho 2	
11282	H 944	....	44 33	8 5	5 ±	5 ±	11 ... 15	1820+	H	H(V) 7° 4' 15" : 10... 14
11283	β 692	L 42601	44 49	31 17	10.8	2.48	7.5... 11.0	1878.24	β 2	A and B
					119.4	36.89	... 11.0	1878.78	β 1	A and C
11284	H 287	....	44 49:	15 26:	220 ±	10 ±	13 ... 14	1820+	H	
11285	Σ 2832	O. Arg. N. 22912	44 51	49 57	213.5	13.07	7.8... 8.3	1832.41	Σ 3	Very wk.
11286	H 1698	DM (46°) 3455	44 55	46 43	336.0	6 ±	10 ... 12	1828+	H	
11287	H 1697	W ^o XXI ^b . 1081	44 57	34 16	263.0	8 ±	8 ... 12	1828+	H	
11288	Hu 89	SD (12°) 6113	45 2	-12 13	8.6	0.61	9.1... 9.3	1899.64	Hu 3	(A. J. 480)
11289	Ho 467	W ^o XXI ^b . 1078	45 3	21 42	181.5	1.03	8.0... 10.2	1893.28	Ho 2	A and B
					338.9	39.57	... 12	1893.25	Ho 2	A and C } (A. N. 3934)
11290	Σ 2830 ref.	DM (2°) 4433	45 6	2 33	....	Cl. IV	7-8... 10	....	Σ	
11291	H 945	....	45 6	- 4 31	315 ±	3 1/2 ±	11 ... 11+	1820+	H	} "In the same field"
11292	H 946	....	45 9	- 4 31	235 ±	7 ±	11 ... 12	1820+	H	
11293	H 1699	DM (34°) 4544	45 10	34 17	70.0	10 ±	10 ... 11	1828+	H	Double in A. G.
11294	H 3061	....	45 14	5 12	103.7	12 ±	10 ... 10	1830+	H	
11295	H 3062	O. Arg. N. 22920	45 18	53 16	....	....	....	1830+	H	
11296	Σ 2831	W ^o XXI ^b . 1045	45 21	7 47	356.3	14.97	8.1... 11.1	1829.04	Σ 4	Yel'ish
11297	Ho 170	DM (38°) 4618	45 29	38 52	162.4	0.3 ±	8.0... 8.0	1886.79	Ho 2	
11298	H 3063	DM (57°) 2406	45 36	57 57	57.1	10 ±	9-10... 10	1830+	H	
11299	Σ 2835	DM (68°) 1252	45 44	68 46	276.4	1.88	8.5... 9.3	1832.33	Σ 3	8.5 wk.
11300	A 182	SD (2°) 5648	45 44	- 2 43	245.5	1.05	9.3... 9.5	1900.76	A 3	
11301	H 947	P XXI ^b . 312	45 57	19 16	93 ±	15 ±	7 ... 15	1820+	H	A and B
					315 ±	20 ±	... 17	1820+	H	A and C
11302	Σ 2833	DM (8°) 4753	46 2	8 31	341.5	8.83	7.2... 10.0	1829.56	Σ 4	7.2 yel'ish
11303	Σ 2834	DM (18°) 4874	46 2	18 45	288.8	4.13	7.3... 10.6	1830.79	Σ 5	7.3 yel.
11304	H 1700	....	21 46 4	43 45	195.8	3 ±	11 ... 13	1828+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
11305	H 5298	O. Arg. S. 21706	21 ^h 46 ^m 4 ^s	-16° 22'	....	Cl. IV	8 ... 9	1834+	H	
11306	Σ 2836	Cephei 146	46 21	66 14	152° 9	11 ^h 92	7.0...10.0	1832.46	Σ 2	7.0 <i>yel'sh wh.</i>
11307	Hn 49	DM (28°) 4212	46 22	28 22	344.8	2.23	8.5...10.5	1881.53	β 4	
11308	Hu 694	DM (49°) 3641	46 41	49 50	192.7	1.68	9.0...10.0	1904.34	Hu 2	(<i>Bul. L. O. No. 57</i>)
11309	β 840	SD (2°) 5650	46 43	- 2 9	39.4	2.57	8.7...10.0	1881.73	β 3	
11310	H 948	....	46 45	8 52	310±	5±	11 ... 12	1820+	H	H (V) 306° 1: 15': 10...11
11311	Ho 171	L 42657	46 45	27 14	179.0	0.63	8.2... 8.2	1884.86	Ho 2	
11312	H 1701	....	46 56	46 32	187.3	10±	10-11...11	1828+	H	
11313	Hu 379	DM (4°) 4759	47 1	4 45	253.5	1.37	9.0...10.5	1901.11	Hu 2	(<i>Bul. L. O. No. 12</i>)
11314	Kr 55	A. G. Hels. 12567	47 1	55 48	355.8	4.79	9.0... 9.1	1890.78	β 1	
11315	Ho 172	W ² XXI ^h . 1124	47 5	41 48	87.9	10.50	7.0...12	1886.85	Ho 2	
11316	H 615	L 42645	47 6	-17 19	68.0	11.94	8½...10	1846.88	J 1	
11317	Hu 380	L 42642	47 7	-20 35	75.5	5.50	8.2... 9.5	1876.74	Cin 2	A and BC } AB= B and C } β 168
11318	Hn 50	O. Arg. N. 22967	47 14	53 44	171.5	1.47	8.7...10.4	1881.50	β 4	
11319	H 3064	....	47 23	4 39	147.0	4±	11-12=11-12	1830+	H	
11320	OE 451	P XXI ^h . 328	47 27	61 3	222.9	4.53	7.2... 8.2	1847.51	OE 3	
11321	....	DM (53°) 2723	47 47	53 27	66.5	15.60	9.5...11.5	1904.47	β 1	
11322	Σ 2842	DM (63°) 1779	47 55	63 28	102.2	3.17	8.4...11.0	1832.17	Σ 4	8.4 <i>wh.</i>
11323	Σ 2840	Cephei 147	47 57	55 14	194.0	20.01	6.0... 7.0	1832.96	Σ 4	<i>Greenish wh.:</i> <i>bluish wh.</i>
11324	H 5522	....	48 ±	-15 4:	85±	20±	12 ... 12½	1823+	H	
11325	H 288	....	48 13:	15 19:	50±	5±	11 ... 12	1820+	H	
11326	H 3066	....	48 17	53 25	199.8	....	....	1830+	H	A and B
11327	Σ 2838	Aquarii 100	48 21	- 3 52	185.2	21.65	6.0... 8.8	1829.47	Σ 3	6.0 <i>yel'sh</i>
11328	H 3067	Rad ^r . 5449	48 23	71 12	334±	4±	8 ... 17	1830+	H	"A strong suspicion of a small star"
11329	β 1213	DM (12°) 4710	48 26	13 0	311.9	0.81	9.1... 9.5	1890.69	β 3	B and C }
11330	H 616	W ² XXI ^h . 1106	48 34	-12 32	273.	20±	7-8... 9	1820+	H	A and B }
11331	Kr 56	A. G. Hels. 12593	48 36	61 33	302.1	4.49	9.0... 9.3	1890.79	β 1	
11332	Espin 142	DM (61°) 2361	48 36	61 30	332.9	7.9	8.8...11.2	1902	Es 2	(<i>M. N. LXIII, 172</i>)
11333	Espin 143	DM (61°) 2363	48 48	61 30	44.9	6.5	8.2...13.5	1902	Es 2	(<i>M. N. LXIII, 172</i>)
11334	Σ 2843	DM (65°) 1664	48 37	65 11	133.5	2.36	7.0... 7.2	1831.91	Σ 3	<i>Yel'sh</i>
11335	Σ 2841	L 42709	48 39	19 9	111.0	22.21	6.5... 8.0	1829.46	Σ 3	<i>Very yel.: blue</i>
11336	Σ 2844 <i>rej.</i>	Rad ^r . 5448	48 40	64 20	....	Cl. IV	8 ... 10	....	Σ	
11337	H 949	....	48 49	-10 46	300±	5±	11 ... 12	1820+	H	
11338	H 3065	L 42700	48 55	-21 42	138.5	18±	7 ... 15	1830+	H	"A third 12 m. dist. 40"
11339	Σ 2845	DM (62°) 1992	48 59	62 32	169.0	2.16	8.2... 8.3	1832.49	Σ 3	<i>Yel'sh: wh.</i>
11340	H N. 131	....	49 ±	-15 6±	....	Cl. III	....	1801.69	H	
11341	β 768	Lac. 8964	49 9	-37 49	90±	obl?	5.8...	1879	β	
11342	H 1703	DM (39°) 4703	49 13	39 19	90.0	5±	10 ... 12	1828+	H	8.9 m. in DM (See p. 1084)
11343	β 841	DM (53°) 2728	49 21	53 43	194.4	2.03	8.5...11.5	1881.56	β 3	
11344	See 461	O. Arg. S. 21742	49 26	-27 51	62.7	3.44	8.2...13.3	1896.83	See 2	
11345	Ho 173	DM (18°) 4888	49 36	18 8	72.6	1.06	8.0...10.0	1881.70	Ho 2	
11346	β 75	L 42736	49 40	10 19	34.3	1.20	8.1... 8.5	1875.45	Δ 4	
11347	OE 452	L 42731	49 42	6 41	179.1	1.19	7.7... 8.8	1847.46	OE 3	
11348	A 620	A. G. Bonn 16100	49 44	43 29	247.3	0.20	8.0... 8.1	1903.68	A 3	(<i>Bul. L. O. No. 50</i>)
11349	A 302	A. G. Camb. 12995	49 54	26 14	204.4	5.16	8.9...14.5	1901.73	A 3	
11350	β 693	L 42730	49 54	- 7 33	54.1	0.93	7.8...10.3	1878.37	β 3	
11351	Ku 62	DM (38°) 4636	49 58	38 9	49.7	1.91	9.1...10.2	1901.41	Ku 2	Kustner (3821)
11352	A 303	A. G. Camb. 12999	50 4	26 50	51.4	1.84	8.8...12.3	1901.52	A 3	
11353	Ho 609	....	50 4	29 9	356.4	1.84	9.5... 9.8	1893.28	Ho 2	(<i>A. N. 3558</i>)
11354	Σ 2846	L 42776	50 7	45 13	269.3	3.25	8.5...10.3	1833.90	Σ 6	A and B } 8.5 <i>yel.</i> A and C }
11355	Battermann	DM (14°) 4697	50 7	15 2	340±	1.5±	9.2... 9.3	1893.80	....
11356	A 621	A. G. Leip. 11019	50 18	9 1	87.8	0.23	9.3... 9.5	1903.82	A 3	(<i>Bul. L. O. No. 50</i>)
11357	S 800	DM (61°) 2216	21 50 21	62 3	145.3	62.83	6½... 7	1824.70	S 2	

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
11358	A. G. 278	A. G. Leiden 9206	21 ^h 50 ^m 24 ^s	32° 28'	159.0	3'.24	9.5... 9.5	1902.66	β 2	
11359	H 3072	DM (58°) 2349	50 25	58 53	82.4	15 \pm	9 ... 11	1830+	H	
11360	H 1704	....	50 27	27 20	318.6	1 $\frac{1}{2}$ \pm	13 ... 14	1828+	H	
11361	OE (App) 226	O. Arg. N. 23072	50 29	67 32	245.8	75.95	7.0... 8.0	1876.30	Δ 3	
11362	OE 453	DM (6°) 4929	50 31	6 40	270.9	0.70	7.5... 8.0	1847.46	OE 3	A and B }
					78.8	24.98	... 12	1878.80	β 1	AB and C }
11363	Hu 381	DM (5°) 4903	50 32	5 59	41.7	0.54	9.4... 9.5	1901.27	Hu 3	(Bul. L. O. No. 12)
11364	OE 454	L 42771	50 34	23 46	277.4	6.90	7.0... 9.0	1850.04	OE 4	
11365	Ho 174	DM (36°) 4710	50 41	36 43	154.7	7.32	9.0... 9.0	1881.79	Ho 2	A and B }
					88.6	6.29	10 ... 10	1881.79	Ho 3	C and D }
					227.4	161.42	....	1881.78	Ho 1	A and C }
11366	Σ 2858	DM (86°) 325	50 42	86 19	164.3	15.03	8.5... 8.7	1832.26	Σ 3	White
11367	See 463	SD (19°) 6197	50 49	-19 13	116.0	15.88	7.2... 11.5	1897.75	See 1	
11368	H 3068	Cord. DM (28°) 17523	50 49	-28 31	287.0	6 \pm	9 ... 10	1830+	H	
11369	β 169	O. Arg. S. 21760	50 49	-21 43	285.7	1.93	9.0... 9.0	1876.78	Cin 1	
11370	H 1705	....	50 50	46 29	80.4	3 $\frac{1}{2}$ \pm	11-12... 14	1828+	H	"Difficult"
11371	Hu 382	DM (18°) 4892	50 52	19 6	171.7	0.40	9.2... 9.6	1901.65	Hu 3	(Bul. L. O. No. 12)
11372	OE 455	DM (15°) 4528	50 56	15 33	268.5	9.99	7.5... 9.0	1847.37	OE 3	
11373	H 3070	SD (19°) 6194	51 7	-19 2	95.0	15 \pm	10 ... 10	1830+	H	
11374	H 1706	....	51 9	28 26	293.2	4 \pm	10-11... 12	1828+	H	
11375	H 1707	....	51 10	31 22	320.0	3 \pm	10 ... 11	1828+	H	
11376	OE 456	L 42838	51 11	51 58	25.7	1.35	7.8... 8.0	1847.73	OE 3	
11377	H 3071	L 42770	51 16	-15 42	318.5	18 \pm	8 ... 11	1830+	H	
11378	H 5523	....	51 16	7 50	25 \pm	15 \pm	11 = 11	1827.6	H	
11379	A 622	A. G. Leip. 8740	51 17	10 13	150.0	0.27	8.8... 8.9	1903.82	A 3	(Bul. L. O. No. 50)
11380	β 1214	DM (33°) 4387	51 23	33 45	205.0	1.39	9.0... 10.3	1890.65	β 3	A and B }
					245.8	5.06	9.8... 10.8	1890.65	β 3	C and D }
					18.3	112.43	....	1890.65	β 3	A and C }
11381	H 1708	....	51 26	23 2	240.3	3 \pm	10 ... 12	1828+	H	
11382	OE (App) 225	L 42794	51 27	3 35	286.9	75.11	7.0... 8.0	1875.46	Δ 3	
11383	H 3073	DM (4°) 4772	51 36	4 27	9.6	15 \pm	9-10... 12	1830+	H	
11384	OE (App) 227	L 42817	51 46	11 22	32.8	78.90	7.3... 8.2	1875.70	Δ 3	
11385	Σ 2847	L 42810	51 53	-4 4	296.5	1.21	7.6... 8.0	1831.95	Σ 5	Yel'sh
11386	Lewis 37	....	52 :	20 18:	92.3	3.60	10.0... 11.0	1896.83	L 1	
11387	Σ 2846	L 42825	52 1	5 22	54.9	10.45	7.2... 7.5	1829.41	Σ 3	Wh.: yel'sh or red
11388	Σ 2849	DM (19°) 4834	52 4	19 40	272.4	1.09	8.2... 10.7	1830.42	Σ 3	
11389	H 3074	Lam. 8625	52 6	-2 24	291.7	1 $\frac{1}{2}$ \pm	9 ... 9+	1830+	H	
11390	OE 537	O. Arg. N. 23107	52 10	59 16	199.2	1.99	8.0... 11.1	1876.69	Δ 4	
11391	OE 457	Rad ² . 5481	52 22	64 45	243.4	1.31	6.3... 8.5	1848.49	OE 3	6.3 wh.
11392	H 3075	....	52 25	-11 49	306.5	3 \pm	11 ... 12	1830+	H	This is a dist. comp. to H 3076
11393	A. G. 279	DM (5°) 4918	52 29	5 43	72.8	10.32	9.6... 9.6	1895.73	....
11394	H 3076	SD (11°) 5724	52 34	-11 51	245.4	35 \pm	9 ... 13	1830+	H	8.5 m. in SD
11395	H 5311	O. Arg. S. 21778	52 36	-29 38	298.2	30 \pm	8 ... 11	1834.6	H	"Very nearly an equilateral triangle"
					....	30 \pm	... 11	1834.6	H	
11396	Sh 336	W ² XXI ^b . 1205	52 36	5 27	226.0	105.86	8 ... 11	1823.87	S 1	
11397	OE 458	Rad ² . 5483	52 40	59 13	348.8	0.71	7.1... 8.6	1851.75	OE 7	A and B }
					32.9	22.71	... 12.5	1878.65	β 1	AB and C }
11398	O. Stone 56	II <i>Piscis Australis</i>	52 42	-28 12	35.6	11.75	7.0... 10.0	1879.76	Cin 3	
11399	H 3077	....	52 45	8 56	344.4	18 \pm	10 ... 10-11	1830+	H	
11400	Cordoba	Cord. G. C. 30078	52 47	-30 33	258.7	3.09	9 $\frac{1}{2}$... 9 $\frac{1}{4}$	1901.84	I 2	
11401	H 3078	DM (0°) 4802	52 59	0 42	195.0	3 \pm	10 ... 10-11	1830+	H	
11402	H 950	....	52 59	27 6	10 \pm	10 \pm	8 ... 10	1820+	H	
11403	H.C. Wilson 24	....	53 :	-23 0:	45.2	21.55	8.0... 8.5	1883.67	W 1	From Wilson (Cin ²⁰)
11404	Hu 772	DM (48°) 3558	53 4	49 3	319.7	0.22	8.5... 9.0	1904.50	Hu 1	
11405	A 304	A. G. Camb. 13059	21 53 4	26 50	109.6	0.30	8.7... 9.2	1901.62	A 4	A and B }
					240.9	13.84	... 13.2	1901.58	A 3	AB and C }

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
11406	H 3079	DM (5°) 4918	21 ^h 53 ^m 29 ^s	5° 43'	74° 6'	10" ±	10 ... 10	1830+	H	
11407	Espin 145	DM (62°) 2008	53 30	62 7	203.0	2.8	9.1... 9.5	1902	Es 5	(M. N. LXIII, 172)
11408	A 305	SD (3°) 5353	53 33	- 3 34	221.7	2.50	8.7... 11.0	1901.95	A 3	
11409	β 275	Rad ¹ . 5490	53 38	60 43	2.7	0.28	7.0... 7.0	1876.04	A 2	
11410	β 276	η <i>Piscis Australis</i>	53 56	-29 2	117.4	1.87	5.0... 6.0	1876.68	Cin 4	
11411	H 1709	DM (55°) 2657	53 59	56 1	312.9	6 ±	9-10... 13	1828+	H	
11412	H.C. Wilson 25	....	54 :	1 20:	212.1	1.20	8.0... 9.0	1882.76	W 1	
11413	Hn 168	....	54 :	-15 20	340.5	3.03	11.0... 11.8	1883.74	Com 4	
11414	H 3081	DM (72°) 1004	54 5	72 33	318.4	20 ±	9-10... 10	1830+	H	
11415	Hu 282	SD (14°) 6188	54 11	-14 21	31.6	0.74	7.5... 8.8	1900.69	Hu 2	(A. J. 494)
11416	Σ 2850	DM (23°) 4442	54 17	23 22	263.3	2.83	7.2... 11.2	1830.06	Σ 3	7.2 reddish gold
11417	H 3082	....	54 17	71 45	71.5	13 ±	11 ... 12	1830+	H	
11418	A 406	A. G. Bonn 16201	54 18	41 23	293.1	1.50	11.0... 13.0	1902.61	A 2	B and C
					3.2	34.18	8.0...	1902.61	A 2	A and B
					115.4	22.53	... 14.0	1902.64	A 1	A and D
11419	Hu 773	DM (51°) 3208	54 22	51 52	322.7	4.69	9.0... 10.8	1904.50	Hu 1	
11420	H 1711	....	54 29	66 33	250.1	12 ±	9-10... 11	1828+	H	Probably DM (66°)
11421	Ho 468	L 42899	54 44	-18 6	344.3	3.19	7.0... 9.5	1891.80	Ho 2	1463
11422	Howe 59	L 42909	55 0	-16 11	270.3	9.09	7.0... 10.5	1877.76	Cin 1	A and B
					290 ±	80 ±	... 9	1823+	H	A and C
11423	H 1710	DM (49°) 3707	55 3	50 1	281.6	12 ±	10 ... 11	1828+	H	
11424	Hu 774	DM (48°) 3566	55 7	48 33	151.2	0.20	7.5... 7.5	1904.50	Hu 1	
11425	H 1713	....	55 11	64 0	126.0	18 ±	9-10... 11	1828+	H	
11426	Hu 775	DM (51°) 3213	55 12	51 49	219.7	2.17	8.8... 10.5	1904.50	Hu 1	
11427	Σ 2851	W ¹ XXI ^b . 1253	55 13	-12 34	120.8	19.10	8.0... 8.3	1829.83	Σ 3	
11428	H 289	20 <i>Pegasi</i>	55 14	12 33	320 ±	40 ±	5-6... 12	1820+	H	
11429	H 1712	....	55 21	48 8	171.5	6 ±	10-11=10-11	1828+	H	"Elegant"
11430	A 778	A. G. Bonn 16232	55 35	47 21	281.6	0.33	9.0... 9.7	1904.44	A 1	A and B
					230.7	6.68	... 15.0	1904.44	A 1	AB and C
11431	H 3080	DM (1°) 4572	55 38	1 59	291.3	15 ±	10 ... 13	1830+	H	
11432	A 306	A. G. Camb. 13104	55 43	26 15	305.0	1.11	7.5... 13.8	1901.65	A 3	
11433	OΣ (App) 228	L 42946	55 51	4 12	28.0	73.52	7.3... 9.0	1875.69	A 3	
11434	S 802	29 <i>Aquarii</i>	55 52	-17 33	243.4	4.37	8 ... 8½	1824.68	S 2	
11435	A 779	A. G. Hels. 12725	56 2	59 58	281.1	0.46	7.9... 8.5	1904.48	A 1	
11436	Ho 175	L 42979	56 3	43 4	302.9	0.98	7.0... 10	1885.81	Ho 2	
11437	H 951	DM (32°) 4319	56 6	32 8	110 ±	10 ±	9 ... 10	1820+	H	
11438	See 464	....	56 13	-16 51	139.7	11.92	8 ... 14.5	1896.84	Cog 2	
11439	Hu 283	SD (17°) 6423	56 13	-17 1	316.1	1.19	9.2... 11.0	1900.68	Hu 2	(A. J. 494)
11440	Ho 176	W ² XXI ^b . 1369	56 15	22 59	188.1	0.91	8.0... 11.5	1881.68	Ho 2	
11441	Σ 2852	DM (53°) 2764	56 17	53 36	171.9	7.73	9.0... 9.0	1832.42	Σ 3	White
11442	H 1714	DM (45°) 3763, 3762	56 33	45 46	252.2	14 ±	9-10... 9-10	1828+	H	
11443	Ho 610	DM (26°) 4333	56 34	26 16	236.3	0.60	9.0... 9.2	1897.22	Ho 4	
11444	Ho 469	W ¹ XXI ^b . 1280	56 37	- 3 3	27.2	0.59	8.5... 9.5	1892.74	Ho 1	
11445	H 1715	....	56 54	44 42	251.8	9 ±	11 ... 12	1828+	H	
11446	Σ 2853	DM (67°) 1382	56 54	67 24	188.5	3.85	8.0... 10.5	1832.89	Σ 4	8.0 yell'ish
11447	A 307	A. G. Camb. 13123	56 59	25 37	172.7	0.96	9.2... 9.5	1901.53	A 3	
11448	H 1716	....	57 1	50 39	90.0	3 ±	12 ... 12	1828+	H	A and B
					315.5	3 ±	... 13	1828+	H	A and C
11449	H 3085	DM (68°) 1264	57 4	68 57	330.8	15 ±	9-10... 11	1830+	H	
					287.8	13 ±	... 14	1830+	H	"Triple"
11450	See 465	O. Arg. S. 21837	57 5	-25 26	189.6	2.70	7.9... 14.3	1897.66	See 1	
11451	Ho 177	L 43010	57 7	36 24	110.2	8.08	6.5... 13	1886.27	Ho 2	
11452	H 3083	....	57 28	6 14	212.4	20 ±	10 ... 11	1830+	H	
11453	H 3084	....	57 30	6 17	46.8	6 ±	10 ... 11	1830+	H	
11454	H 1718	....	21 57 31	54 32	41.2	4 ±	10 ... 10	1828+	H	A and B
					280 ±	4 ±	... 11	1828+	H	A and C } "C est. from diagram"

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
11455	Hu 491	DM (4°) 4792	21 ^h 57 ^m 37 ^s	4° 40'	258° 6	0.74	9.5...10.8	1901.27	Hu 3	(Bul. L. O. No. 21)
11456	H 952	DM (2°) 4466	57 39	2 44	358±	7±	11 ... 15	1820+	H	
11457	H 1719	....	57 39	54 31	224.0	4½±	11 ... 11	1820+	H	
11458	OZ 459	L 43028	57 51	38 59	196.6	10.70	7.5...10.2	1845.68	OZ 2	
11459	β 694	Lacertae 4	58 6	44 4	352.3	0.50	6.0... 8.5	1878.66	β 2	
11460	See 467	Cord. 21 ^h . 1836	58 25	-27 26	117.5	9.03	8.3...14.5	1896.84	See 2	
11461	H 3086	....	58 29	-18 41	25.9	12±	10 = 10	1830+	H	
11462	Z 2854	W ⁺ XXI ^h . 1305	58 32	13 4	83.1	3.10	7.7... 8.0	1830.13	Z 3	White
11463	β 695	DM (60°) 2330	58 33	60 31	147.8	2.54	8.0...12.3	1878.54	β 2	
11464	β 696	DM (15°) 4558	58 43	15 17	355.1	0.50	8.0... 8.0	1877.32	Δ 2	
11465	H 290	....	59 5:	10 55:	93±	5±	11 ... 12	1820+	H	
11466	H 291	....	59 5:	10 53:	95±	3±	10 ... 11	1820+	H	
11467	H 1720	....	59 9	- 6 1	147.6	6±	11 ... 11+	1828+	H	
11468	Z 2855	SD (2°) 5689	59 9	- 2 0	295.7	27.52	7.9... 9.5	1828.84	Z 4	7.9 wh.
11469	H 953	W ⁺ XXI ^h . 1467	59 16	32 22	115±	17±	6-7...13	1820+	H	
11470	H 3087	DM (8°) 4788	59 17	8 36	102.5	30±	7-8... 8-9	1830+	H	
11471	Z 2860	O. Arg. N. 23322	59 26	60 16	250.8	3.32	7.7... 9.3	1832.30	Z 3	Very yel.: blue
11472	OZ 460	DM (1°) 4579	59 32	1 12	352.2	5.78	7.3...11.7	1849.69	OZ 3	A and B } 7.3 wh.
					49.1	15.95	... 11.0	1849.69	OZ 3	A and C }
11473	H 3086	W ⁺ XXI ^h . 1473	59 33	21 23	193.5	12±	9 ... 14-15	1830+	H	(See p. 1085)
11474	H 3089	....	59 41	21 22	120.9	12±	9-10...12	1830+	H	(See p. 1085)
11475	Z 2856	DM (4°) 4801	59 48	4 17	200.9	1.07	8.2... 8.8	1830.47	Z 3	Yel'sh: wh.
11476	Hd 169	....	59 49:	- 2 40	33.6	2.68	8.5... 8.9	1881.64	β 3	
11477	OZ 461	15 Cephei	59 59	59 14	298.1	11.13	5.9...10.6	1848.72	OZ 5	A and B }
					38.8	90.25	... 9.5	1876.36	Δ 3	A and C }
					72.6	183.44	... 7.5	1876.36	Δ 3	A and D }
					347.0	136.07	... 6.7	1876.36	Δ 3	D and E }
					37.6	236.73	....	1876.37	Δ 3	A and E }
					34.0	192.36	... 7.5	1876.37	Δ 3	E and F }
11478	H.C. Wilson 26	....	22 0 1	-23 40:	331.1	10±	9 ... 11	1885.62	W 1	From Wilson (Cin ²⁰)
11479	Hu 776	DM (51°) 3240	0 1	52 5	350.9	0.28	9.5...10.0	1901.50	Hu 1	
11480	H 1724	DM (50°) 3547	0 13	50 50	223.0	13±	9-10...10	1828+	H	
11481	Z 2857	Pegasi 114	0 15	9 31	113.8	19.52	7.0... 8.7	1828.17	Z 3	Wh.: ash
11482	H 1723	....	0 16	44 29	185.0	15±	9 ... 10	1828+	H	A and B }
					256.3	15±	... 15	1828+	H	A and C }
11483	Z 2863	ξ Cephei	0 18	64 2	288.9	5.60	4.7... 6.5	1831.77	Z 3	Yel'sh: blue
11484	Z 2859	DM (19°) 4853	0 19	20 1	341.8	3.17	9.0... 9.8	1830.42	Z 5	
11485	H 1721	W ⁺ XXI ^h . 1501	0 20	29 19	281.1	6±	9 ... 12	1828+	H	
11486	Z 2861	W ⁺ XXI ^h . 1497	0 22	20 13	219.9	7.13	7.7... 8.2	1830.10	Z 3	White
11487	H 1722	DM (31°) 4627	0 22	31 21	43.0	12±	9-10...10	1828+	H	8.9 m. in DM
11488	H 1725	....	0 29	45 54	40±	20±	11 ... 11+	1828+	H	"In a cluster"
11489	Howe 60	O. Arg. S. 21892	0 50	-28 38	150.4	2.42	8.0... 9.2	1877.72	Cin 2	
11490	Z 2862	W ⁺ XXI ^h . 1379	0 57	- 0 1	104.0	2.34	7.6... 8.0	1828.76	Z 4	Yel'sh: yel.
11491	β 474	O. Arg. N. 23373	1 2	60 25	345.6	16.28	8.5...12.0	1878.67	β 1	
11492	A 183	A. G. Bonn 16342	1 2	44 47	244.6	0.52	8.4... 9.4	1900.93	A 3	
11493	A 407	A. G. Bonn 16343	1 5	41 24	27.7	0.67	9.2... 9.2	1902.63	A 3	
11494	Espin 103	DM (53°) 2782	1 6	53 48	213.6	1.6	9.1... 9.3	1901	Es	(A. N. 3784)
11495	H 1726	....	1 8	14 30	24.8	12±	11 ... 11+	1828+	H	
11496	Ho 611	L 43136	1 16	27 44	84.5	17.35	8 ... 12	1895.04	Ho 3	(A. N. 3558)
11497	Hu 492	SD (17°) 6446	1 21	-17 33	90.2	0.32	9.0... 9.5	1901.44	Hu 3	(Bul. L. O. No. 21)
11498	H 1727	....	1 24	14 35	222.3	20±	10 = 10	1828+	H	
11499	β 697	19 Cephei	1 27	61 42	95.8	19.75	6.0...12.0	1878.66	β 1	
11500	β 990	DM (62°) 2030	1 32	62 30	122.3	0.65	8.3... 9.7	1880.61	β 3	
11501	H 1729	DM (57°) 2452	1 38	57 44	97.2	14±	9-10...11	1828+	H	
11502	A 623	A. G. Bonn 16357	1 44	44 49	195.8	4.16	8.5...14.0	1903.93	A 2	(Bul. L. O. No. 90)
11503	H 3090	....	22 1 44	8 38	82.0	4±	12 = 12	1830+	H	"Neat"

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
11504	Σ 2865	O. Arg. N 23393	22 ^h 1 ^m 45 ^s	69° 38'	175° 1	16'.36	8.5... 9.0	1833.38	Z 2	White
11505	Ho 612	W ⁺ XXI ^b . 1544	1 46	33 56	67.8	26.49	7 ... 12	1895.75	Ho 2	(A. N. 355 ^b)
11506	OZ 462	L 43165	1 49	35 31	334.4	1.43	7.2... 9.0	1848.52	OZ 5	A and B }
					33.8	7.53	... 10.8	1850.00	OZ 3	A and C }
11507	A 308	A. G. Bertin 8529	1 57	25 3	118.0	0.19	8.5... 8.8	1901.74	A 4	
11508	See 469	Lac. 9034	1 59	-26 21	308.3	0.2±	8.1... 8.3	1897.75	See 1	
11509	H 1728	DM (12°) 4762	2 14	12 47	309.4	4±	10 ... 15	1828+	H	A and B }
					201.5	12±	... 12	1828+	H	A and C }
11510	H 3091	....	2 14	1 48	301.5	3±	10 ... 10+	1830+	H	"Nest"
11511	H 3093	DM (53°) 2785	2 14	53 11	11.5	6±	10 ... 11	1830+	H	
11512	β 170	L 43158	2 31	-19 4	63.7	1.69	9.1... 9.4	1876.05	Δ 4	
11513	H 1731	DM (41°) 4389	2 33	41 17	208.8	8±	10 ... 12	1828+	H	
11514	Σ 2873	Cephei 180	2 40	82 18	77.3	13.79	6.2... 7.0	1832.30	Z 4	White
11515	Hu 284	SD (19°) 6230	2 45	-19 34	112.0	3.38	8.9... 9.1	1900.76	Hu 2	(A. J. 494)
11516	H 1732	....	2 49	49 49	250.1	10±	10 ... 11	1828+	H	
11517	H 3092	L 43172	2 53	-19 2	346.0	25±	9-10... 10	1830+	H	
11518	Hu —	....	3 :	-19 28:	112.2	3.34	9.5... 9.7	1896.63	Hu 4	(A. J. 397)
11519	H 954	....	3 13	- 5 8	335±	5±	12 ... 12	1820+	H	
11520	Ho 470	L 43230	3 24	38 47	352.8	11.97	7.0... 13	1892.74	Ho 1	
11521	β 842	DM (4°) 4811	3 31	5 6	121.1	1.26	8.8... 9.1	1881.73	β 3	
11522	H 1733	DM (54°) 2688	3 41	54 22	261.7	16±	9-10... 12	1828+	H	
11523	Σ 2868	DM (21°) 4697	3 44	21 57	5.1	1.12	8.3... 8.8	1830.41	Z 3	White
11524	H 955	....	3 49	7 25	140±	4±	11 = 11	1820+	H	
11525	See 470	Corb. 22 ^h . 120	3 49	-24 7	32.2	1.81	7.9... 8.7	1897.81	See 2	
11526	....	π ¹ Pegasi	3 54	32 35	314.4	27.40	5.7... 12.0	1877.78	β 1	A and B }
					261.7	72.78	... 10.2	1879.34	β 3	A and C }
					90.0	185.24	... 10.7	1880.12	β 2	A and D }
11527	Σ 2867	W ⁺ XXII ^b . 39	4 5	7 22	208.1	10.46	7.9... 9.0	1831.03	Z 4	Yel'sh; bluish
11528	Σ 2870	O. Arg. N. 23496	4 8	60 32	271.6	5.37	8.2... 9.2	1833.79	Z 6	White
11529	Lv 11	SD (11°) 5771	4 8	-11 40	164.0	0.85	9.0... 9.0	1890.82	β 3	
11530	H 5526	....	4 10	1 2	60±	15±	11 ... 12	1827.9	H	
11531	Σ 2866	DM (39°) 4767	4 13	40 4	53.3	9.03	8.8... 11.3	1832.13	Z 3	
11532	H 3096	DM (70°) 1214	4 18	70 23	342.9	7±	10 ... 10-11	1830+	H	
11533	H 1735	L 43266	4 21	44 15	112.0	15±	7-8... 9-10	1828+	H	A and B }
					160±	12±	... 15	1828+	H	B and C }
11534	H 956	....	4 22	18 2	310±	5±	10-11... 10-11	1820+	H	
11535	H 1737	O. Arg. N 23498	4 26	46 59	348.8	5±	10 = 10	1828+	H	
11536	H 1739	DM (63°) 1809	4 26	63 30	68.7	15±	10 ... 11-12	1828+	H	
11537	β 375	O. Arg. N. 23503	4 29	50 11	304.7	0.93	8.5... 10.5	1876.41	Δ 1	
11538	OZ 463	W ⁺ XXII ^b . 47	4 30	13 10	346.8	4.53	7.5... 11.4	1848.08	OZ 4	7.5 wh.
11539	A 408	A. G. Bonn 16405	4 30	42 2	184.5	1.31	9.0... 12.5	1902.64	A 3	(Bul. L. O. No. 29)
11540	Σ 2869	Pegasi 129	4 32	14 2	253.7	22.74	5.8... 11.8	1829.48	Z 3	5.8 very yel.
11541	H 1738	....	4 32	45 53	179.3	4±	10 ... 11-12	1828+	H	
11542	Σ 2872	P XXII ^b . 11, 12	4 32	58 42	316.4	21.28	7.2...	1833.84	Z 6	A and BC }
					334.5	0.54	8.0... 8.0	1833.63	Z 3	B and C } Very wh.
11543	β 769	Lac. 9046	4 37	-35 3	351.6	0.91	7.4... 8.1	1891.85	β 3	
11544	Hu 285	SD (15°) 6158	4 45	-15 25	116.7	1.98	9.0... 9.3	1900.68	Hu 2	(A. J. 494)
11545	Σ 2874	DM (73°) 961	4 45	73 55	150.4	9.35	9.0... 11.2	1834.45	Z 2	9.0 yel.
11546	A. G. 280	A. G. Liden 9342	5 2	31 5	180.1	11.18	9.0... 9.5	1902.61	β 2	
11547	H 3094	....	5 9	2 21	315.5	3±	10 ... 10	1830+	H	"Points s of a star 10 m."
11548	H 957	....	5 10	2 41	310±	2±	11 ... 11+	1820+	H	"Points backward to a star 11 m."
11549	H 3095	SD (17°) 6460	5 29	-17 44	337.2	3½±	10 ... 10+	1830+	H	Another obs., 135° 5
11550	H 1740	....	5 39	- 8 4	118.0	3±	11-12... 12	1828+	H	
11551	Espin —	DM (63°) 1814	5 46	63 29	....	4±	9 ... 11	1903	Es	(M. N. LXIV, 296)
11552	H 1742	DM (67°) 1409	5 50	67 8	336.3	18±	8 ... 10	1828+	H	
11553	β 698	L 43303	22 5 55	6 18	337.6	9.97	7.2... 12.0	1878.74	β 2	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
11554	Ho 289	DM (26°) 4365	22 ^h 6 ^m 4 ^s	26° 40'	347° 0	61.11	7.2...	1887.75	Ho 2	A and BC }
					321.4	3.03	11.0...11.5	1887.79	Ho 1	B and C }
11555	Ho 178	W ² XXII ^b . 118	6 5	31 30	224.2	3.60	7.0...11.7	1881.71	Ho 3	
11556	OΞ 464	Rad ¹ . 5589	6 9	39 35	54.2	0.83	7.8... 8.0	1847.70	OΞ 3	
11557	β 475	L 43305	6 15	— 8 36	228.3	1.51	7.6...10.4	1891.84	β 3	
11558	H 3097	DM (5°) 4969	6 15	5 17	32.8	18±	9 ...10	1830+	H	"Triple"
					352.5	15±	...13	1830+	H	
11559	H 1741	B. A. C. 7746	6 29	50 14	328.5	20±	6 ...11	1828+	H	
11560	H 3098	....	6 30	5 27	82.1	25±	9-10...10	1830+	H	
11561	A 624	A. G. Hels. 12915	6 36	57 54	18.1	0.81	9.0...11.2	1903.69	A 3	(Bul. L. O. No. 50)
11562	β 436	O. Arg. N. 23612	6 43	57 21	327.5	19.63	7.5...11.5	1876.56	Δ 1	A and B }
					100.5	19.36	...13	1889.66	Ho 1	A and C }
11563	β 1215	SD (11°) 5781	6 47	—11 46	90.2	1.53	9.0... 9.0	1890.82	β 3	
11564	Σ 2876	DM (36°) 4785	6 48	37 4	68.4	11.79	7.7... 9.2	1829.44	Σ 2	7.7 wh.
11565	H 3099	....	6 51	10 58	57.3	8±	11 ...12	1830+	H	"A 9-10 m, star p"
11566	Ho 179	W ² XXII ^b . 145	7 11	29 37	246.3	0.47	8.0... 9.0	1884.85	Ho 2	
11567	Ku 63	DM (33°) 4453	7 15	33 23	240.2	4.05	9.9...10.3	1901.43	Ku 2	Kustner (3821)
11568	OΞ 465	Rad ¹ . 5596	7 17	49 36	324.3	15.32	7.2...10.7	1848.10	OΞ 3	
11569	Σ 2879	DM (62°) 2045	7 18	62 48	226.7	0.78	8.0... 8.0	1834.96	Σ 6	Very wh.
11570	A 409	A. G. Bonn 16461	7 22	40 20	22.9	0.49	9.1... 9.2	1902.63	A 3	(Bul. L. O. No. 29)
11571	Σ 2875 rej.	SD (8°) 5835	7 23	— 8 24	....	CL III	8 ...12	....	Σ	
11572	H 1743	....	7 26	23 14	303.3	9±	11 ...11	1828+	H	
11573	H 958	DM (21°) 4711	7 30	21 12	230±	3½±	10 ...11	1820+	H	
11574	A 625	A. G. Hels. 12929	7 32	57 7	54.3	0.30	8.6... 8.8	1903.69	A 3	A and B }
					18.0	32.55	...13.0	1903.67	A 1	AB and C } (Bul. L. O. No. 50)
11575	Ho 471	DM (40°) 4758	7 40	40 12	322.2	7.19	7.0...13	1892.79	Ho 1	A and B }
					54.5	14.71	...13	1892.79	Ho 1	A and C } (A. N. 3234)
11576	Sh 339	41 Aquarii	7 40	—21 40	120.7	5.17	7 ... 9	1823.75	Sh 1	White: blue
11577	H 1744	....	7 41	23 16	356.8	12±	10 ...12	1828+	H	
11578	Σ 2880	Rad ¹ . 5603	7 45	59 8	351.7	4.42	7.5... 9.4	1833.09	Σ 4	Yel.: ash
11579	β 699	W ¹ XXII ^b . 114	7 45	7 7	187.3	2.04	8.1...12.2	1878.44	β 3	
11580	β 171	L 43350	7 51	—21 38	258.9	11.45	8.0...12.0	1878.75	Cin 3	
11581	H 1745	....	7 52	13 30	0.0	12±	10=10	1828+	H	
11582	Σ 2883	Cephei 189	7 55	69 32	254.7	14.87	6.2... 8.2	1833.06	Σ 3	Bluish wh.: blue
11583	O. Stone 57	....	8 :	—20 40:	95.6	9.72	8.0... 9.5	1878.72	Cin 1	
11584	β 376	Rad ¹ . 5607	8 1	59 30	149.2	3.57	8.0...11.2	1876.24	Δ 2	
11585	Hu 286	DM (4°) 4824	8 2	5 1	270.0	1.53	9.0...13.5	1900.60	Hu 1	(A. J. 494)
11586	H I. 49	O. Arg. N. 23668	8 3	60 10	4.2	....	....	1783.06	H I	
11587	Espin 146	DM (52°) 3140	8 6	52 17	8.4	2.7	9.2... 9.4	1902	Es 1	(M. N. LXIII 172)
11588	Ho 291	L 43403	8 10	48 47	197.7	9.11	7.2...12.7	1888.39	Ho 2	
11589	Hu 695	DM (50°) 3612	8 12	50 27	15.1	0.83	9.0... 9.5	1903.46	Hu 2	(Bul. L. O. No. 57)
11590	Σ 2878	Pegasi 148	8 31	7 23	130.8	1.36	6.5... 8.0	1830.31	Σ 4	White
11591	Σ 2884	DM (63°) 1820	8 31	63 9	151.5	2.09	8.0... 9.5	1833.55	Σ 3	8.0 yel'sh
11592	Σ 2877	P XXII ^b . 33	8 33	16 36	316.4	7.63	6.4... 9.6	1828.95	Σ 4	Yel.: blue
11593	β 476	W ² XXII ^b . 180	8 41	30 48	93.1	2.57	9.5...10.0	1877.57	Δ 4	
11594	A 626	A. G. Hels. 12956	8 43	59 37	251.1	0.51	9.0... 9.0	1903.69	A 3	(Bul. L. O. No. 50)
11595	H 1746	B. A. C. 7765	8 43	39 8	180.0	20±	6 ...12	1828+	H	A and B }
					185.5	60±	...13	1828+	H	A and C }
11596	Hd 170	DM (16°) 4695	8 51	16 38	60.9	8.90	11 ...11	1867.88	Hd 1	
11597	β 991	Rad ¹ . 5619	9 1	51 58	150.9	0.59	8.0... 8.0	1880.16	β 5	
11598	Σ 2882	W ² XXII ^b . 191	9 2	37 9	326.5	3.22	9.2... 9.2	1832.23	Σ 3	
11599	Σ 2881	DM (28°) 4327	9 6	28 59	111.4	1.76	7.7... 8.2	1830.46	Σ 3	Yel'sh: bluish wh.
11600	OΞ (App) 230	W ² XXII ^b . 201	9 8	39 53	159.4	45.15	7.3... 8.7	1875.38	Δ 3	
11601	A. G. 281	DM (21°) 4718	9 9	21 21	21.3	1.88	8.8... 9.8	1902.87	Cg 4	
11602	OΞ 467 rej.	L 43417	9 10	21 56	273.8	22.83	6.3...10.3	1865.94	Δ 3	
11603	Ho 472	Cord. DM (23°) 17331	22 9 15	—23 19	244.8	3.98	8.0...12.2	1889.79	Ho 2	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
11604	Hu 777	DM (78°) 780	22 ^h 9 ^m 27 ^s	78° 16'	209.7	0.45	8.8...10.0	1904.48	Hu 1	
11605	H 1747	DM (67°) 1418	9 43	67 53	94.5	6±	10 ...12	1828+	H	A and B }
					215.6	20±	...11	1828+	H	A and C }
11606	H 5322	SD (3°) 5414	9 48	— 3 29	203.3	12±	10=10	1834+	H	
11607	A 410	A. G. Bonn 16508	9 50	41 6	343.2	0.66	8.6...11.5	1902.74	A 3	(Bul. L. O. No. 29)
11608	Σ 2885 <i>rej.</i>	SD (8°) 5844	9 56	— 8 17	98.8	21.96	8.0...12.0	1879.75	Cin 1	
11609	Σ 2886	L 43476	9 58	48 46	109.1	19.33	7.3... 9.5	1832.38	Σ 3	7.3 <i>yel'sh wh.</i>
11610	H 3101	....	10 9	11 53	334.0	15±	10 ...10+	1830+	H	
11611	H 3100	SD (11°) 5791	10 18	—11 48	81.6	35±	9-10...13	1830+	H	
11612	Ho 614	L 43498	10 24	50 53	174.9	4.63	7.5...10	1897.27	Ho 2	
11613	Σ 2890	DM (49°) 3790	10 26	49 17	11.7	9.06	8.5... 8.7	1832.28	Σ 3	White
11614	β 477	W ² XXII ^b . 225	10 28	30 49	45.7	6.51	9.3...11.0	1877.45	Δ 3	
11615	H 3102	....	10 29	1 11	351.4	18±	9-10=9-10	1830+	H	
11616	H 960	....	10 29	30 15	55±	6±	10 ...11	1820+	H	
11617	Σ 2893	DM (72°) 1022	10 42	72 43	348.6	28.83	5.5... 7.6	1833.58	Σ 4	Yel'sh: wh.
11618	Σ 2889	W ² XXII ^b . 231	10 46	25 40	199.5	2.21	8.2...10.8	1830.44	Σ 3	8.2 <i>yel.</i>
11619	H 5324	Cord. DM (24°) 17099	10 46	—24 19	357.3	10±	8 ...12	1835.7	H	
11620	Ho 180	W ² XXII ^b . 238	10 49	43 18	42.5	0.50	7.2... 7.2	1886.84	Ho 2	
11621	OΣ 468	W ² XXII ^b . 237	10 54	33 8	165.9	12.47	7.0...11.2	1854.26	OΣ 4	
11622	Hu 696	DM (51°) 3307	11 1	51 18	232.7	0.28	8.8... 9	1903.46	Hu 2	(Bul. L. O. No. 57)
11623	H 293	DM (12°) 4794	11 2	12 22	276.4	10±	9 ...13	1820+	H	
11624	Σ 2887	DM (—1°) 4279	11 10	— 1 18	25.7	8.82	9.0... 9.0	1829.83	Σ 3	
11625	β 377	O. Arg. N. 23765	11 23	54 4	302.8	7.02	10.6...11.5	1891.54	β 3	B and C }
					65.9	63.88	8.0...	1891.54	β 3	A and B }
11626	Σ 2891	DM (43°) 3753	11 37	47 23	309.2	12.42	8.2... 9.2	1832.42	Σ 3	Yel'sh wh.: wh.
11627	Hu 287	DM (7°) 4836	11 52	7 41	67.7	1.55	8.2...13.5	1900.60	Hu 1	(A. J. 494)
11628	See 471	....	11 53	—28 45	33.4	4.35	10.7...12	1896.78	See 2	
11629	A 184	A. G. Bonn 16547	12 14	45 57	314.6	2.20	8.6...11.3	1900.90	A 3	
11630	H 3103	....	12 18	4 6	117.3	12±	10 ...11	1830+	H	
11631	H 1748	DM (57°) 2497	12 24	57 56	269.0	10±	10-11=10-11	1829+	H	
11632	H 961	W ² XXII ^b . 262	12 25	17 49	275±	5±	8-9...14	1820+	H	
11633	H 3104	SD (17°) 6488	12 35	—17 42	83.9	8±	10 ...11	1830+	H	
11634	Hu 595	DM (50°) 3648	12 37	50 13	195.6	0.64	8.0...10.0	1902.55	Hu 3	(Bul. L. O. No. 27)
11635	Kr 57	A. G. Hels. 13018	12 48	61 26	221.8	1.22	9.0... 9.1	1890.79	β 1	
11636	β 378	O. Arg. N. 23808	12 50	60 16	90.8	3.18	9.2...10.2	1876.55	Δ 2	A and B }
					29.4	7.48	...11.8	1878.65	β 1	A and C }
11637	Σ 2892 <i>rej.</i>	SD (11°) 5807	12 55	—11 24	50.0	9.	8.0...11.7	1831.32	Σ	A and B }
					266.0	35.	... 9.0	1831.32	Σ	A and C }
11638	H.C. Wilson 27	....	13 :	—24 15:	356.8	10.54	8.5... 9.5	1885.72	W 1	From Wilson (Cin ¹⁰)
11639	H 3105	DM (22°) 4612	13 14	22 14	122.5	15±	9-10...12	1830+	H	
11640	Ho 181	W ² XXII ^b . 290	13 28	38 28	38.1	2.96	8.2...10.7	1886.81	Ho 2	A and B }
					298.6	18.44	...11	1886.82	Ho 1	A and C }
					349.6	27.9	...10	1886.82	Ho 1	A and D }
11641	Σ 2894	P XXII ^b . 65	13 40	37 10	193.5	15.31	6.0... 8.2	1831.56	Σ 3	Wh.: ash
11642	Hu 383	DM (20°) 5127	13 54	20 31	42.6	0.24	9.0... 9.0	1901.70	Hu 3	(Bul. L. O. No. 12)
11643	H 1749	....	13 59	21 36	271.0	5±	10 ...16	1828+	H	A and B }
					31.3	6±	...16	1828+	H	A and C }
11644	Howe 61	....	14 :	5 3:	121.6	1.03	8.5... 9.0	1879.64	Cin 1	"The s of two"
11645	H 1750	DM (15°) 4621	14 4	15 14	242.0	15±	9-10...13	1828+	H	
11646	H 962	30 Pegasi	14 25	5 11	30±	4±	5 ...20	1820+	H	A and B }
					212.0	6±	...19	1820+	H	A and C }
11647	H 1751	DM (55°) 2721	14 25	55 31	112.5	8±	10 ...10-11	1828+	H	
11648	H —	W ² XXII ^b . 263	14 25	10 26	310.7	35±	7-8...11-12	1830+	H	
11649	Σ 2896	O. Arg. N. 23867	14 36	62 37	241.9	21.54	7.5... 8.5	1833.09	Σ 3	Wh.: bluish
11650	β 1216	L 43605	14 42	28 55	317.7	0.64	8.4... 8.7	1890.51	β 3	
11651	H 5329	SD (4°) 5661	22 14 47	— 4 10	97.6	6±	10 ...10	1837.6	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
11652	A 782	DM (71°) 1120	22 ^h 14 ^m 48 ^s	71° 21'	261.2	0.34	9.0... 9.5	1904.52	A 1	
11653	See 472	....	14 50	-25 58	55.9	4.62	11 ... 12.7	1896.83	See 2	
11654	H 3107	....	14 52	77 54	185.0	7±	11 ... 13	1830+	H	
11655	A 627	....	14 52	59 36	135.9	0.96	10.1... 10.8	1903.69	A 3	(Bul. L. O. No. 50)
11656	H 1752	DM (24°) 4578	15 0	24 29	288.6	12±	10 ... 10+	1828+	H	
11657	Σ 2895	W ⁺ XXII ^b . 314	15 8	24 21	6.1	4.85	8.5... 10.0	1830.09	Z 3	8.5 yel.
11658	A 185	A. G. Bonn 16603	15 9	45 48	291.3	0.33	9.2... 9.3	1900.95	A 3	
11659	OZ 469	W ⁺ XXII ^b . 317	15 11	34 31	280.5	31.80	7.2... 8.8	1846.79	OZ 3	7.2 wh.
11660	A 628	A. G. Lep. 8928	15 16	10 17	227.6	1.05	8.7... 11.2	1903.88	A 2	(Bul. L. O. No. 50)
11661	H 1754	DM (63°) 1832	15 21	63 18	158.1	8±	10 ... 11	1828+	H	
11662	H 1753	DM (44°) 4099	15 25	44 38	184.8	2½±	11 ... 11+	1828+	H	A and B }
					179.0	....	... 11	1828+	H	A and C }
11663	H 3106	γ Aquarii	15 27	- 1 59	125.9	49.46	4-5... 13	1838.76	Mu 1	
11664	β 1217	L 43635	15 33	30 42	218.9	0.61	7.4... 10.3	1890.53	β 3	
11665	A 186	A. G. Bonn 16613	15 38	47 41	356.1	0.58	9.0... 10.0	1900.93	A 4	
11666	Ho 615	32 Pegasi	15 47	27 44	127.1	72.78	5 ... 9.3	1893.82	Ho 3	A and B }
					18.3	2.36	... 11	1895.73	Ho 1	B and C }
					309.6	41.98	... 12	1895.77	Ho 2	A and D }
					116.3	60.33	... 12	1893.82	Ho 3	A and E }
11667	Σ 2897	DM (14°) 4785	15 58	14 39	100.2	16.72	8.7... 9.5	1829.47	Z 3	
11668	β 379	Rad ^a . 5658	16 0	53 13	332.0	1.11	8.3... 9.0	1877.26	β 6	
11669	H 1755	2 Lacertae	16 4	45 56	10.0	30±	5-6... 12	1828+	H	
11670	A 411	A. G. Bonn 16625	16 14	41 12	200.6	0.28	8.0... 8.7	1902.67	A 3	(Bul. L. O. No. 29)
11671	Σ 2896	DM (10°) 4739	16 22	10 29	282.3	12.34	8.3... 9.5	1829.10	Z 3	
11672	Kr 58	A. G. Bonn 13077	16 26	59 16	28.0	1.55	9.0... 9.1	1890.79	β 1	
11673	Σ 2899 rej.	DM (5°) 5008	16 33	5 52	32.2	18.53	7.9... 11.1	1904.53	β 2	
11674	OZ (App) 231	L 43659	16 37	9 20	109.8	91.02	7.2... 8.0	1875.74	β 3	
11675	Hu 384	DM (20°) 5135	16 37	20 55	318.8	0.30	9.4... 11.0	1901.72	Hu 3	(Bul. L. O. No. 12)
11676	H 3111	DM (74°) 959	16 39	75 6	77.4	15±	9 ... 16	1830+	H	"Difficult; verified with 300"
11677	H 1756	DM (39°) 4814	16 42	40 4	283.5	15±	9 ... 12	1828+	H	
11678	H 3110	....	16 48	69 24	215.3	12±	9-10... 12	1830+	H	
11679	H 1757	....	16 54	50 36	306.3	8±	10 ... 12	1828+	H	
11680	Ho 474	W ⁺ XXII ^b . 354	17 3	29 45	36.2	4.46	11 ... 11	1892.73	Ho 1	B and C }
					110.	45.06	7 ...	1892.73	Ho 1	A and B }
11681	Ku 64	DM (28°) 4360	17 8	28 13	159.8	33.73	9.7... 10.3	1901.83	Ku 2	A and B }
					281.1	32.46	... 11.2	1901.97	Ku 2	A and C }
					111.1	6.16	... 11.8	1901.89	Ku 2	C and D }
11682	Ho 292	W ⁺ XXII ^b . 316	17 13	5 3	61.1	3.61	8.0... 11.5	1887.80	Ho 2	
11683	H 1761	....	17 14	74 14	40±	1½±	12 = 12	1828+	H	
11684	H 3112	DM (69°) 1242	17 16	70 2	124.6	16±	10 ... 10+	1830+	H	
11685	OZ 470	Rad ^a . 5665	17 26	66 22	353.5	3.69	6.9... 9.4	1850.77	OZ 3	6.9 wh.
11686	OZ (App) 232	W ⁺ XXII ^b . 330	17 34	3 14	190.4	65.72	8.7... 9.0	1875.98	β 4	
11687	Ho 182	DM (16°) 4723	17 37	16 57	135.0	1.55	8.5... 8.5	1884.83	Ho 2	
11688	H 3109	DM (10°) 4742	17 45	10 8	315.7	18±	9-10... 10	1830+	H	
11689	A 630	A. G. Lep. 8947	17 45	10 31	306.3	1.23	8.3... 13.0	1903.89	A 3	(Bul. L. O. No. 50)
11690	Σ 2900	33 Pegasi	17 52	20 15	180.7	2.47	6.0... 9.2	1832.38	Z 6	A and B }
					343.0	56.56	... 7.9	1832.70	Z 6	A and C }
11691	β 172	51 Aquarii	17 52	- 5 27	20.4	0.46	6.7... 6.7	1875.66	β 6	
11692	A 629	A. G. Bonn 13102	17 58	59 23	331.8	1.01	9.2... 9.4	1903.69	A 3	(Bul. L. O. No. 50)
11693	Hu 493	DM (18°) 4984	17 59	18 37	167.7	0.78	9.0... 9.5	1901.65	Hu 3	(Bul. L. O. No. 21)
11694	H 1759	....	18 3	38 36	304.8	5±	11 ... 12	1828+	H	
11695	H 1758	DM (27°) 4305	18 6	27 25	262.9	8±	11 ... 11	1828+	H	
11696	Σ 2903	O. Arg. W. 23985	18 10	66 6	96.5	4.25	7.0... 8.0	1832.48	Z 3	Yel.: blue
11697	Hu 385	DM (21°) 4746	18 12	21 56	76.8	1.35	8.7... 15.0	1901.73	Hu 2	(Bul. L. O. No. 12)
11698	Esplan 104	DM (44°) 4117	18 21	44 54	52.3	5.9	8.5... 13.8	1901	Es	(A. N. 3784)
11699	Σ 2901	L 43732	22 18 23	3 13	147.1	2.75	8.5... 9.1	1830.35	Z 4	White

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
11700	H 1762	DM (47°) 3786	22 ^h 18 ^m 28 ^s	47° 48'	355° 3	16.5 ±	9-10...10	1828+	H	
11701	Weisse 38	W ² XXII ^h , 382	18 31	40 18	53.6	6.59	8.8... 9.0	1901.64	β 3	
11702	Σ 2902	O. Arg. N. 23976	18 32	44 45	89.9	6.40	7.1... 8.0	1833.54	Σ 5	Yel.: wh.
11703	H 1760	....	18 37	26 35	341.2	2½ ±	11 ... 13	1828+	H	
11704	β 843	DM (1°) 4606	18 42	2 3	236.1	3.46	8.4... 12.5	1881.65	β 3	
11705	Ho 183	DM (21°) 4747	19 6	21 58	216.7	2.07	8.2... 11.6	1883.25	Ho 4	
11706	H 1763	....	19 9	23 33	113.5	10 ±	10-11=10-11	1828+	H	
11707	A 412	A. G. Bonn 16685	19 10	43 26	126.0	2.20	8.9... 13.3	1902.67	A 3	
11708	S 808	L 43742	19 15	-20 51	154.6	6.46	8 ... 11	1825.80	S 1	
11709	H 5527	....	19 19	10 3	55 ±	30 ±	8.5... 10	1825.8	H	
11710	H 3113	SD (13°) 6186	19 40	-13 1	190.4	7 ±	10 ... 11	1830+	H	A and B }
					328.4	20 ±	... 10	1830+	H	A and C }
11711	H 963	DM (17°) 4745	19 41	18 6	60 ±	2 ±	10 ... 11	1820+	H	
11712	Ho 616	L 43788	19 43	21 58	1.2	18.69	7.2... 12.5	1895.28	Ho 2	(A. N. 3558)
11713	A. G. 282	A. G. Leiden 9943	19 46	32 47	235.2	3.92	9.5... 9.9	1902.51	β 2	
11714	Espin 147	DM (54°) 2769	19 54	54 16	25.1	2.0	8.3... 10.2	1902	Es 3	A and B } (M. N. LXIII, 179)
					204.8	29.1	... 10.2	1902	Es 2	A and C }
11715	Sh 345	53 Aquarii	20 3	-17 21	303.1	10.03	6 ... 6½	1823.86	Sh 2	A and B }
					339.1	46.66	....	1901.09	β 3	B and C }
					101.4	1.83	12.9... 13.9	1901.28	β 4	C and D }
11716	β 290	34 Pegasi	20 31	3 47	218.9	2.62	6.0... 12.5	1878.49	β 5	
11717	H 1765	....	20 31	42 40	183.8	8 ±	10-11... 11	1828+	H	
11718	Barnard 16	DM (57°) 2525	20 38	57 14	247.5	3.11	9.2... 11.5	1902.81	Bar 5	(A. J. 546)
11719	Hu 596	DM (18°) 4988	20 43	18 48	20.7	1.16	9.5... 10.0	1901.74	Hu 3	(Bul. L. O. No. 27)
11720	Σ 2904	SD (2°) 5763	20 59	-2 23	314.0	8.16	8.9... 9.4	1830.57	Σ 4	
11721	H 1764	SD (7°) 5784	21 0	-7 51	191.8	16 ±	8 ... 12	1828+	H	9.1 m. in SD
11722	H 3115	W ² XXII ^h , 435	21 3	22 12	261.5	15 ±	8-9... 12	1830+	H	
					330.8	18 ±	... 12	1830+	H	
					96.1	30 ±	... 12	1830+	H	"Quadruple"
11723	H 3116	DM (6°) 5023	21 15	6 56	260 ±	....	....	1830+	H	
11724	Ho 185	DM (37°) 4573	21 15	38 1	155.6	2.73	9.0... 11.5	1885.84	Ho 2	
11725	H 3114	L 43829	21 20	-17 53	93.8	7 ±	8-9... 10	1830+	H	
11726	Σ 2905	W ² XXII ^h , 426	21 20	14 32	283.8	3.28	8.5... 8.5	1829.47	Σ 3	White
11727	Ho 184	DM (42°) 4398	21 21	42 55	293.2	2.30	9.0... 11.5	1885.81	Ho 2	A and B }
					314.7	45.04	... 9.0	1885.77	Ho 1	A and C }
11728	Σ 2906	DM (36°) 4835	21 26	36 50	4.4	4.54	7.0... 10.6	1832.40	Σ 4	7.0 very wh.
11729	Hu 386	SD (18°) 6130	21 33	-18 45	222.9	0.57	9.0... 11.5	1901.31	Hu 3	(Bul. L. O. No. 12)
11730	H 3117	....	21 34	6 59	260.4	15 ±	10 ... 14	1830+	H	
11731	β 700	DM (48°) 3728	21 35	49 5	333.8	9.83	8.2... 12.0	1878.19	β 2	
11732	β 291	W ² XXII ^h , 436	21 39	3 55	157.8	0.33	8.4... 8.4	1875.82	Δ 4	
11733	H 1767	....	21 43	54 58	211.8	9 ±	10-11... 11	1828+	H	
11734	H 1766	DM (49°) 3853	21 47	49 41	264.8	10 ±	10 ... 11	1828+	H	
11735	β 380	Rad ⁴ , 5693	22 2	49 6	321.6	24.37	7.3... 12.0	1876.10	Δ 2	A and B }
					134.2	36.31	... 7.7	1874.97	Δ 3	A and C }
					245.7	21.40	... 12.5	1877.60	β 1	C and D }
11736	β 701	L 43867	22 10	11 38	283.4	1.24	7.0... 10.0	1877.82	Δ 2	
11737	Σ 2908	W ² XXII ^h , 446	22 22	16 39	116.3	8.86	7.0... 8.7	1828.75	Σ 2	7.0 yel'ish wh.
11738	β 173	DM (56°) 2776	22 24	56 35	232.8	2.88	8.4... 10.7	1875.83	Δ 5	
11739	H 1769	....	22 24	59 34	50.0	6 ±	10-11... 13	1828+	H	
11740	H 1768	O. Arg. N. 24093	22 27	47 12	8.3	20 ±	9 ... 9-10	1828+	H	
11741	Σ 2910	DM (22°) 4645	22 31	22 55	247.2	5.30	8.3... 8.8	1832.14	Σ 3	White
11742	β 1218	W ² XXII ^h , 476	22 33	29 5	53.5	1.44	8.6... 8.8	1890.52	β 3	
11743	Σ 2909	5 Aquarii	22 39	-0 38	359.8	3.60	4.0... 4.1	1825.73	Σ 2	Greenish wh.
11744	See 474	Lac. 9144	22 41	-29 16	289.8	0.56	7.4... 8	1896.72	See 2	A and B }
					306.5	20 ±	6-7... 10	1830+	H	AB and C }
11745	Σ 2907 ref.	W ² XXII ^h , 449	22 22 42	-10 33	159.5	40 ±	9 ... 10	1830+	H	From H (V); "a third near"

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
11746	H 3119	DM (72°) 1036	22 ^h 22 ^m 50 ^s	73° 0'	92° 8	20" ±	8-9...13	1830+	H	8.0 m. in DM (See p. 1085)
11747	Hd Zones	DM (0°) 4879	22 53	0 40	182.0	3.13	9.5... 9.6	1901.74	β 2	
11748	Kr 59	A. G. Hels. 13155	22 53	63 6	165.7	1.59	9.0... 9.2	1890.75	β 1	
11749	H 964	....	22 55	9 47	150 ±	7 ±	10 ... 12	1820+	H	
11750	β 174	L 43888	22 58	-10 17	287.9	7.38	8.5... 12.0	1876.15	Δ 3	
11751	H 1770	....	22 59	34 56	103.3	3 ±	11 = 11	1828+	H	
11752	β 478	SD (8°) 5881	23 8	- 7 56	32.6	1.32	9.0... 11.0	1878.20	β 2	A and B }
					239.0	28.55	... 9.0	1877.80	β 1	A and C }
11753	H 1771	....	23 11	56 52	208.6	10 ±	11 ... 11-12	1828+	H	
11754	OΞ 471 rej.	DM (6°) 5027	23 15	7 0	....	....	7 ...	....	....
11755	H 1773	....	23 21	58 17	....	....	....	1828+	H	
11756	β 76	L 43906	23 22	- 0 49	335.3	1.47	8.2... 10.1	1876.24	Δ 4	
11757	H 1772	DM (45°) 3952	23 29	45 32	103.1	3 ±	10-11=10-11	1828+	H	"Very neat"
11758	H 965	DM (33°) 4511	23 30	33 55	135 ±	15 ±	9-10... 11	1820+	H	
11759	β 844	L 43912	23 32	5 2	317.1	3.20	9.3... 10.9	1881.73	β 3	B and C }
					34.3	98.34	8.1...	1881.73	β 3	A and B }
11760	A 187	A. G. Bonn 16767	23 32	47 56	132.3	1.90	7.5... 12.7	1900.86	A 3	
11761	Kr 60	A. G. Hels. 13170	23 43	57 6	178.8	2.32	9.0... 12.0	1890.79	β 1	A and B }
					56.3	26.82	... 9.2	1890.79	β 1	A and C }
11762	A 783	DM (70°) 1241	23 47	70 23	182.4	4.24	9.0... 10.0	1904.52	A 1	
11763	Σ 2912	37 Pegasi	23 54	3 49	112.6	1.16	5.8... 7.2	1831.12	Σ 3	White
11764	H IV. 31	DM (57°) 2542	23 53	57 50	....	20 ±	....	1781.40	H	
11765	β 1264	L 43933	24 1	- 0 29	21.7	3.85	7.8... 13.3	1891.70	β 3	
11766	H N. 34	....	24 6:	-28 49:	....	....	....	1785.66	H	
11767	Σ 2913	L 43936	24 14	- 8 44	331.9	8.01	7.0... 8.0	1830.85	Σ 3	Wh.: reddish
11768	Hn 169	O. Arg. S. 22195	24 20	-19 48	172.8	1.39	8.2... 9.8	1886.73	LM 2	
11769	A 309	A. G. Camb. 13492	24 22	25 20	77.5	4.96	8.5... 13.0	1901.73	A 2	
11770	Hu 388	DM (21°) 4770	24 31	21 51	141.3	0.24	8.0... 8.5	1901.73	Hu 3	(Bul. L. O. No. 12)
11771	H 296	....	24 40:	12 32:	220 ±	12 ±	9 ... 11	1820+	H	"Large star ruddy"
11772	β 702	δ Cephei	24 43	57 48	285.7	19.37	... 13	1878.65	β 2	A and B }
					192.0	40.87	3.0... 5.3	1835.15	Σ 6	A and C } A yel.: C blue
11773	OΞ 472 rej.	L 44016	25 6	51 48	5.8	15.80	6.8... 11.7	1867.61	Δ 3	
11774	H 1774	....	25 13	36 29	52.2	10 ±	11 ... 12	1828+	H	A and B }
					307.8	15 ±	....	1828+	H	A and C }
11775	H 1775	....	25 34	15 0	204.9	8 ±	10-11... 12-13	1828+	H	
11776	Doo 17	DM (56°) 2793	25 38	56 23	237.3	2.99	9.3... 11.0	1899.02	Doo 4	(Pub. Flower Obey. I)
11777	H 1778	....	25 46	65 37	296.9	3 ±	14 ... 15	1828+	H	"Very delicate"
11778	OΞ 473	Rad ¹ . 5720	25 46	56 37	356.8	14.94	6.7... 10.0	1848.42	OΞ 3	
11779	Σ 2917	O. Arg. N. 24221	25 50	52 55	71.2	4.69	8.0... 8.0	1832.96	Σ 3	White
11780	Doo 18	DM (56°) 2795	25 53	56 14	44.8	2.70	9.2... 10.5	1899.11	Doo 3	(Pub. Flower Obey. I)
11781	H 1777	DM (47°) 3822	25 54	47 49	318.8	8 ±	9 ... 13	1828+	H	
11782	H 3120	Cord. DM (29°) 18382	26 2	-29 10	142.4	15 ±	9 ... 11	1830+	H	
11783	Σ 2914 rej.	W ¹ XXII ^b . 515	26 5	-11 33	239.0	10 ±	9-10... 14	1830+	H	A and B }
					249.5	4 ±	... 14	1830+	H	B and C }
					334.1	2 ±	... 16	1830+	H	A and a }
11784	Σ 2916	DM (40°) 4843	26 5	40 36	335.3	45.25	7.3... 8.8	1833.39	Σ 3	A and B }
					30.6	3.51	... 10.2	1833.39	Σ 3	B and C } 7.3 yel.
11785	β 1308	DM (12°) 4837	26 18	12 34	274.1	9.34	9.4...	1901.08	β 3	A and B }
					63.5	1.10	12.2... 13.3	1901.81	β 3	B and C }
11786	β 703	α Lacertae	26 21	49 40	298.8	30.16	4 ... 12.0	1878.02	β 2	
11787	Σ 2918	DM (50°) 3741	26 21	50 15	245.5	1.40	8.0... 9.7	1834.67	Σ 3	8.0 yel'ish
11788	β 479	DM (67°) 1444	26 29	67 36	29.8	2.41	9.7... 11.2	1877.10	Δ 2	
11789	Σ 2915	W ¹ XXII ^b . 527	26 33	6 48	169.0	12.27	8.5... 8.7	1827.76	Σ 3	White
11790	Espin 148	....	26 42	61 0	286.2	3.5	10 ... 10.5	1902	Es 2	(M. N. LXIII, 172)
11791	β 704	DM (66°) 1518	27 3	66 56	207.3	2.3 ±	9.0... 11.5	1877.55	β 1	
11792	Hu 389	SD (19°) 6299	22 27 4	-19 18	102.6	0.36	8.5... 8.7	1901.31	Hu 3	(Bul. L. O. No. 12)

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
11793	Ho 475	DM (25°) 4759	22 ^h 27 ^m 7 ^s	25° 48'	325° 7	0.67	8.0... 8.2	1893.79	Ho 1	A and B }
					224.1	7.69	... 10.2	1893.78	Ho 2	A and C }
11794	H 1779	W ² XXII ^b . 573	27 8	33 37	244.9	20±	8 ... 11	1828+	H	
11795	β 381	W ² XXII ^b . 580	27 22	32 47	230.6	1.48	8.5... 10.0	1877.04	d 3	
11796	Σ 2919	DM (20°) 5181	27 22	20 33	273.8	14.30	9.0... 10.5	1829.75	Σ 4	
11797	H 1780	....	27 26	56 13	245±	10±	10 ... 14	1828+	H	
11798	A. G. 283	DM (54°) 2796	27 36	54 35	333.8	2.86	8.7... 9.1	1901.03	Es 3	
11799	H 297	....	27 39:	15 42:	165±	5-10	10 ... 11	1820+	H	
11800	Ho 293	DM (33°) 4531	27 47	33 20	349.3	1.39	8.2... 12.0	1887.33	Ho 1	
11801	H 298	....	27 47:	11 53:	183±	30±	10 ... 10½	1820+	H	
11802	β 770	L 44060	27 47	-23 13	352.8	1.36	8.2... 12.3	1891.88	β 3	
11803	β 77	SD (2°) 5780	27 50	-2 24	213.0	2.65	9.5... 10.3	1876.05	d 3	A and B }
					225.6	28.80	... 11.0	1888.75	β 3	A and C }
11804	H 3121	DM (11°) 4826	27 52	11 29	32.1	15±	10 ... 11	1830+	H	
11805	H.C. Willson 28	....	28 :	68 0:	143.8	13.72	9.5... 11.5	1892.78	W 1	
11806	H 1781	DM (24°) 4608	28 0	24 29	290.2	10±	10 ... 15	1828+	H	
11807	H 1782	....	28 6	59 37	330±	2±	11 ... 11+	1828+	H	} "Two pairs near together"
11808	H 1783	....	28 12	59 37	278.8	3±	11 ... 11	1828+	H	
11809	Espin 105	DM (49°) 3886	28 8	49 44	294.7	11.7	8.1... 13.8	1901	Es	(A. N. 3784) (See p. 1085)
11810	Ho 476	DM (25°) 4766	28 15	25 58	206.5	6.48	9.0... 9.3	1892.32	Ho 2	
11811	H 1784	DM (61°) 2310	28 16	61 52	339.7	10±	10 ... 11	1828+	H	
11812	β 705	L 44111	28 18	40 12	158.0	1.5±	7.0... 12.5	1878.53	β 1	
11813	Ho 477	L 44110	28 25	29 7	165.6	12.69	8.0... 11.0	1892.37	Ho 2	(A. N. 3234)
11814	Σ 2920	DM (3°) 4730	28 27	3 36	144.0	13.61	7.1... 8.2	1829.90	Σ 4	White
11815	Hu 390	SD (19°) 6303	28 40	-19 2	97.8	0.82	8.4... 13.5	1901.18	Hu 2	(Bul. L. O. No. 12)
11816	H 5345	W ¹ XXII ^b . 571	28 41	-5 40	207±	10±	9½... 10	1836.7	H	
11817	β 707	L 44138	28 46	38 43	46.6	1.86	8.0... 12.5	1878.48	β 1	
11818	H 1785	DM (28°) 4405	29 3	29 6	175.7	12±	9-10... 10	1828+	H	
11819	H 1787	....	29 7	47 53	291.1	8±	11 ... 11+	1828+	H	
11820	H 1786	DM (40°) 4854	29 12	40 9	228.0	30±	8-9... 11	1828+	H	
11821	Ho 617	W ² XXII ^b . 615	29 13	21 41	52.3	16.89	7 ... 12.5	1895.71	Ho 2	(A. N. 3558)
11822	H 3122	L 44122	29 22	-21 33	247.6	40±	7 ... 10	1830+	H	"A third, 11 m., near"
11823	Hn 51	DM (1°) 4631	29 23	1 57	181.1	0.90	8.5... 8.9	1881.63	β 3	
11824	Arg. 44	O. Arg. N. 24310	29 23	49 46	168.3	7.20	8.1... 8.3	1877.74	d 2	
11825	H 966	DM (30°) 4744	29 28	30 11	270±	8±	9 ... 11	1820+	H	
11826	Σ 2927	DM (80°) 724	29 30	80 13	316.3	15.51	8.7... 9.7	1832.82	Σ 2	
11827	β 706	DM (67°) 1450	29 30	67 53	11.8	2.30	8.1... 12.7	1891.88	β 2	A and B }
					252.9	29.95	... 11.7	1891.88	β 2	A and C }
11828	Σ 2924	DM (69°) 1262	29 33	69 17	257.3	0.84	6.8... 7.3	1831.76	Σ 3	Yel'sh
11829	H 1788	W ² XXII ^b . 634	29 38	40 57	297.8	2½±	10 ... 11	1828+	H	"Fine"
11830	Kr 61	A. G. Hels. 13262	29 48	57 35	115.1	3.91	9.3... 9.7	1890.79	β 1	
11831	H 967	....	29 49	16 46	1±	12±	10 ... 11	1820+	H	
11832	β 175	DM (74°) 970	29 49	74 24	138.9	1.44	10.3... 10.5	1875.65	d 3	
11833	Σ 2921 rej.	DM (-0°) 4385	29 51	-0 27	185.3	15±	10 ... 11-12	1830+	H	
11834	Σ 2923	Cephei 222	29 53	69 45	46.4	9.26	6.9... 9.2	1833.16	Σ 4	Wh.: ask
11835	β 771	σ ² Gruis	29 58	-41 13	263.1	2.46	6.7... 13	1891.87	β 3	
11836	H 3124	DM (52°) 3245	30 8	52 22	270.5	5±	9-10... 11	1830+	H	
11837	H 1789	....	30 18	54 26	111.1	7±	10 ... 12	1828+	H	A and B }
					191.0	12±	... 12	1828+	H	A and C }
11838	H 3123	....	30 22	-22 17	153.6	10±	10 ... 12	1830+	H	
11839	Σ 2922	8 Lacertae	30 32	39 1	185.7	22.47	6.0... 6.5	1831.61	Σ 3	A and B }
					155.2	28.15	... 10.2	1830.96	Σ 2	B and C }
					131.6	66.49	... 8.5	1830.96	Σ 2	B and D }
11840	OΣ 474 rej.	DM (34°) 4728	30 41	34 57	....	....	6 ...	....	....
11841	H. V. 96	....	30 42:	-22 47:	250±	Cl. V	....	1783.63	H	
11842	β 708	DM (67°) 1451	22 30 42	67 53	289.6	8.78	9.0... 12.0	1892.78	W 1	

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
11843	H 1790	DM (15°) 4680	22 ^h 30 ^m 50 ^s	15° 13'	83° 4'	6" ±	10 ... 13	1828+	H	"Hazy" (See p. 1085)
11844	Ho 186	W ² XXII ^h . 668	30 59	27 10	23.3	7.38	7.0...12.2	1881.65	Ho 3	
11845	H 1791	Groom. 3833	31 2	56 14	64.1	16 ±	8 ... 9	1828+	H	
11846	H 5528	....	31 22	8 11	90 ±	1½ ±	11 ... 12	1823+	H	
11847	Ho 618	DM (25°) 4776	31 32	26 6	224.0	6.54	7.7...12.7	1894.80	Ho 2	(A. N. 3558)
11848	H 5529	κ Aquarii	31 32	-4 51	290 ±	4½ ±	....	1827.8	H	
11849	Hu 391	DM (23°) 4575	31 43	23 19	167.0	0.73	9.2...10.5	1901.71	Hu 3	(Bul. L. O. No. 12)
11850	Σ 2925	DM (5°) 5046	31 50	5 17	3.6	7.06	8.7... 9.5	1830.04	Σ 4	
11851	Ho 294	W ² XXII ^h . 694	31 56	26 49	54.5	1.82	8.0...10.0	1889.84	Ho 2	
11852	Doo 19	....	32 0	56 46	191.9	2.61	10.7...11.5	1900.66	Doo 3	(Pub. Flower Obsy. I)
11853	Σ 2926	DM (38°) 4816	32 5	38 17	336.1	20.81	8.5... 8.5	1832.13	Σ 3	White
11854	H 3126	SD (21°) 6267	32 9	-21 15	2.4	15 ±	9 ... 11	1830+	H	
11855	H 5355	L 44225	32 10	-14 42	....	CL IV	8.8½...9	1823+	H	L 44222 3 ⁵⁸ p and 27" n
11856	Hu 52	O. Arg. N. 24396	32 18	50 40	289.3	4.75	8.1...11.1	1881.51	β 6	
11857	H 3127	DM (53°) 2933	32 21	53 37	294.9	7 ±	10 ... 11	1830+	H	
11858	Ho 479	L 44239	32 22	1 41	232.0	0.62	7.5... 9.0	1893.46	Ho 1	
11859	Hu 90	SD (11°) 5889	32 44	-11 37	220.2	2.00	9.1...12.3	1899.80	Hu 3	(A. J. 480)
11860	H 1792	DM (58°) 2459	32 44	58 53	133.3	5 ±	9 ... 12	1828+	H	
11861	Ho 480	W ² XXII ^h . 725	32 47	29 5	224.8	0.74	8.0... 9.1	1892.75	Ho 3	
11862	β 1092	Rad ^r . 5777	33 3	72 15	237.1	0.32	7.5... 7.5	1889.30	β 2	A and B
					264.0	29.19	...12.2	1889.31	β 3	AB and C
					137.4	42.17	... 7.2	1889.31	β 3	AB and D
11863	H N. 117	B. A. C. 7891	33 5	-28 57	159.7	85.31	6 ... 7	1836.64	H 1	A and B
					57.6	4.36	... 9	1837.50	H 3	B and C
11864	H 1793	....	33 8	46 25	296.2	8 ±	10-11...11	1828+	H	
11865	Hu 392	DM (18°) 5015	33 9	18 12	344.5	0.51	9.2... 9.5	1901.65	Hu 3	(Bul. L. O. No. 12)
11866	Σ 2928	W ² XXII ^h . 671	33 10	-13 14	327.7	4.70	8.0... 8.0	1830.82	Σ 3	White
11867	H 1794	....	33 11	46 22	313.1	12 ±	9-10...11	1828+	H	
11868	A. G. 284	A. G. Lund 10793	33 17	36 40	50.7	26.23	9.0... 9.0	1902.59	β 3	
11869	H 1795	....	33 18	46 43	209.1	7 ±	10 ... 11	1828+	H	
					....	6 ±	...12	1828+	H	
11870	Σ 2929	W ² XXII ^h . 677	33 20	9 55	358.0	1.87	9.0... 9.5	1828.09	Σ 3	
11871	Hu 393	DM (19°) 4976	33 21	19 36	256.4	0.40	9.0...11.5	1901.66	Hu 3	(Bul. L. O. No. 12)
11872	Σ 2930	DM (6°) 5045	33 26	6 33	77.6	21.62	8.3... 9.3	1830.11	Σ 3	
11873	Ho 295	L 44318	33 29	43 41	326.4	0.25 ±	7.0... 7.0	1887.30	Ho 2	
11874	H 3128	L 44290	33 34	-19 49	224.4	12 ±	8 ... 12	1830+	H	
11875	OΣ 475	L 44319	33 39	36 45	73.3	15.63	7.0...11.0	1847.51	OΣ 3	
11876	Hu 288	SD (16°) 6125	33 43	-16 35	254.8	0.21	8.5... 8.6	1900.69	Hu 2	(A. J. 494)
11877	S 813	10 Lacertae	33 52	38 26	48.7	60.44	6 ... 12	1825.27	S 2	
11878	H 1796	Rad ^r . 5781	33 54	56 10	22.1	18 ±	5-6...11	1828+	H	
11879	Hu 779	DM (34°) 4739	33 57	34 47	152.3	0.76	8.8...12.2	1904.48	Hu 2	
11880	A 413	A. G. Camb. 13621	33 58	27 45	16.7	0.93	8.9...12.8	1902.78	A 2	(Bul. L. O. No. 29)
11881	H 968	DM (36°) 4899	34 3	36 16	110 ±	3-4	9-10...12	1820+	H	"Elegant double star"
11882	Espin 106	DM (48°) 3795	34 5	48 48	264.8	7.9	8.9... 9.5	1901	Es	(A. N. 3784)
11883	H 3129	....	34 5	-21 34	2.0	28 ±	8 ... 13	1830+	H	
11884	Ho 187	DM (36°) 4900	34 6	37 7	286.3	18.34	6.0...12.9	1883.06	Ho 6	
11885	H 3131	....	34 7	5 51	167.8	8 ±	11 ... 11+	1830+	H	
11886	H 3130	....	34 9	-1 58	2.8	12 ±	10-11...11-12	1830+	H	"A third star 40" dist."
11887	Hu 778	DM (34°) 4740	34 9	34 34	41.5	0.45	9.1... 9.6	1904.48	Hu 2	
11888	β 277	L 44348	34 14	40 45	199.4	0.50	8.2... 8.4	1875.35	Δ 2	
11889	H 299	....	34 18:	16 33:	285 ±	15-20	....	1820+	H	
11890	Hu 494	DM (5°) 5054	34 32	5 54	53.8	0.31	8.8... 9.0	1901.40	Hu 3	(Bul. L. O. No. 21)
11891	A. G. 285	A. G. Leiden 9605	34 33	32 5	312.8	38.30	8.7... 8.8	1902.62	β 2	
11892	H 1797	....	34 34	49 30	128.8	12 ±	10 ... 11	1828+	H	
11893	Ho 188	L 44361	34 46	36 54	42.6	0.38	8.0... 8.0	1885.81	Ho 2	
11894	H 3132	....	22 34 54	0 15	151.1	3 ±	10-11...10-11	1830+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
11895	H α 296	B. A. C. 7912	22 ^h 34 ^m 56 ^s	13° 55'	225° ±	0.5 ±	5.5... 5.5	1888.84	Ho	
11896	Hd 171	....	35 :	-20 12:	....	12.88	8.5... 9	1868.82	Hd 1	
11897	Σ 3134	DM (29°) 4726	35 6	29 22	76.2	6.06	9.0... 9.3	1832.48	Z 3	
11898	H 1799	....	35 8	64 56	339.0	10 ±	10 ... 12	1828+	H	"Unless P=99° 0"
11899	β 480	W' XXII ^b . 716	35 18	4 6	65.6	0.86	9.0... 9.8	1877.51	Δ 3	
11900	β 1265	DM (60°) 2425	35 18	60 47	251.4	0.56	9.1... 9.2	1891.58	β 3	B and C }
					346.3	39.69	8.8...	1891.58	β 3	A and BC }
11901	Hu 780	DM (13°) 4973	35 18	13 55	1.4	0.29	9.2... 9.2	1904.40	Hu 1	
11902	Σ 2931	DM (12°) 4870	35 21	12 33	147.8	4.46	8.5... 9.4	1830.30	Z 4	White
11903	β 709	SD (3°) 5487	35 26	-3 11	8.9	2.04	8.5... 9.7	1878.17	β 3	
11904	H 3134	DM (5°) 5055	35 30	5 25	141.8	15 ±	10 ... 10	1830+	H	
11905	....	ζ Pegasi	35 38	10 12	137.8	64.33	3 ... 11.0	1879.54	β 1	
11906	Σ 2932	DM (29°) 4733	35 50	29 25	280.7	19.04	8.7... 9.2	1832.39	Z 4	A and B }
					15 ±	20 ±	...(13)	1828+	H	A and C }
11907	H. N. 140	SD (5°) 5843	35 51	-5 44	....	Cl. II	....	1801.90	H	
11908	Σ 2934	DM (20°) 5208	36 3	20 48	187.8	1.22	8.2... 9.2	1830.78	Z 3	Yellowish wh.: wh.
11909	Hu 781	DM (14°) 4851	36 4	14 36	304.9	0.49	8.5... 9.5	1904.40	Hu 1	
11910	S 815	12 Lacertae	36 6	39 36	16.5	72.07	6 ... 12	1825.27	S 2	
11911	H 3135	SD (21°) 6287	36 7	-21 35	7.9	30 ±	8 ... 12	1830+	H	
11912	β 845	O. Arg. N. 24536	36 27	67 53	195.4	5.69	8.1... 12.1	1881.53	β 3	A and B }
					9.1	15.50	... 13.2	1881.54	β 2	A and C }
11913	A 310	SD (5°) 5847	36 41	-5 19	319.9	0.88	8.1... 10.8	1901.85	A 3	
11914	Σ 2935	SD (9°) 6038	36 46	-8 56	313.3	2.57	7.0... 7.8	1831.18	Z 3	Very wh.
11915	Σ 2933 ref.	DM (10°) 4804	36 49	10 22	....	Cl. IV	....	....	Z	
11916	Σ 2936	Aquarii 215	36 50	0 35	47.1	4.69	7.0... 10.0	1832.16	Z 3	7.0 very wh.
11917	β 710	DM (28°) 4439	36 57	29 5	231.2	0.59	8.5... 8.6	1878.66	β 1	
11918	A 188	A. G. Bonn 17024	37 0	46 26	207.6	2.71	7.6... 13.8	1900.86	A 3	
11919	Hu 394	DM (5°) 5060	37 0	5 59	70.0	0.64	9.8... 11.5	1901.31	Hu 3	(Bul. L. O. No. 12)
11920	β 176	DM (38°) 4848	37 5	38 40	39.7	1.89	8.8... 9.3	1878.18	Δ 3	
11921	Hu 395	DM (23°) 4595	37 5	23 10	141.1	0.49	9.3... 9.5	1901.71	Hu 3	A and B }
					248.4	8 ±	10 ... 12	1828+	H 1	AB and C }
11922	Hu 289	SD (16°) 6142	37 6	-16 46	103.3	1.64	8.6... 8.7	1900.75	Hu 3	
11923	A 414	A. G. Bonn 17029	37 19	43 23	15.8	1.82	9.2... 9.3	1902.64	A 3	(Bul. L. O. No. 29)
11924	β 1144	η Pegasi	37 23	29 36	83.3	0.29	10.1... 10.1	1889.53	β 4	B and C }
					339.0	90.38	4 ...	1889.53	β 4	A and BC }
11925	H 1801	DM (12°) 4876	37 34	12 16	298.0	15 ±	10 ... 10+	1828+	H	
					354.5	10 ±	10 ... 14	1828+	H	
11926	H 3138	....	37 34	53 58	286.7	7 ±	10-11=10-11	1830+	H	"A neat star"
11927	H 3137	Cond. DM (27°) 16036	37 38	-27 3	150.2	25 ±	9 ... 11	1830+	H	
11928	Hu 91	L 44484	37 54	46 32	227.2	0.15	8.0... 10.0	1898.67	Hu 3	B and C }
					335.0	0.50	6.8... 7.2	1847.46	OZ 3	A and BC } AB = OZ 476
11929	Σ 2940	DM (71°) 1158	38 2	72 6	139.4	2.58	8.5... 9.7	1832.64	Z 3	White
11930	OZ 477	L 44497	38 16	45 24	122.7	9.60	7.2... 11.1	1846.06	OZ 3	7.2 wh.
11931	H 5359	SD (4°) 5747, 5748	38 34	-4 37	68.3	20 ±	9 ... 9+	1834+	H	A and B } (= Σ 2937 ref.)
					336 ±	20 ±	... 12	1834+	H	A and C }
11932	H 1804	DM (63°) 1879	38 35	63 51	339.0	15 ±	9 ... 15	1828+	H	(See p. 1085)
11933	H 3139	....	38 37	4 43	142.	2 ±	11 = 11	1830+	H	
11934	See 476	O. Arg. S. 22382	38 37	-23 44	39.5	3.92	8.4... 14.8	1896.83	See 2	
11935	H 300	....	38 38:	11 0:	220 ±	20 ±	11 ... 12	1820+	H	
11936	Σ 2942 =	B. A. C. 7931	38 40	38 50	282.1	2.66	7.0... 9.2	1831.61	Z 4	A and B } Reddish
	OZ 478				232.6	10.75	... 12.5	1878.13	β 4	gold: ash
11937	Barnard 17	....	38 42	9 38	33.0	2.09	10 ... 12	1894.88	Bar 1	AC = β 490
11938	OZ 479	13 Lacertae	38 44	41 11	129.0	14.62	5.4... 10.8	1849.04	OZ 4	5.4 very yel.
11939	Σ 2938	SD (3°) 5501	38 53	-3 17	163.2	19.54	8.2... 8.2	1829.47	Z 3	White
11940	Σ 2939	P XXII ^b . 209	39 3	-10 16	62.1	11.08	7.7... 10.7	1831.33	Z 2	7.7 wh.
11941	A. G. 286	DM (23°) 4600	22 39 5	23 45	....	....	7.5...	....	....

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
11942	Hu 92	DM (66°) 1539	22 ^h 39 ^m 29 ^s	67° 6'	352° 4	1' 04	....	1899.77	Hu 2	B and C } A and BC }
11943	β 711	DM (10°) 4812	39 29	10 34	79.9	0.72	8.5...10.5	1878.59	β 1	
11944	Hu 290	SD (16°) 6150	39 35	-16 13	355.4	3.27	9.0...11.0	1900.75	Hu 3	(A. J. 494)
11945	H 1805	....	39 37	46 22	173.9	4±	11 ... 12	1828+	H	
11946	H 1806	DM (44°) 4217	39 49	44 11	338.0	6±	9-10...10	1828+	H	
11947	A. G. 287	A. G. Lund 10867	39 51	39 24	194.6	14.59	8.6...10.2	1902.63	β 2	
11948	H 3141	O. Arg. N. 24624	39 57	73 8	327.6	12±	9 ... 11	1830+	H	
11949	Hu 782	DM (33°) 4581	39 58	33 21	319.5	2.39	9.0... 9.6	1904.48	Hu 2	
11950	Hd 172	....	40 :	-19 56:	ϕ	15±	9 ... 10.5	1868.82	Hd	
11951	Ho 481	DM (28°) 4446	40 3	28 45	117.7	0.25±	8.3... 8.3	1892.44	Ho 4	
11952	Σ 2941	DM (18°) 5048	40 7	18 37	270.5	8.73	7.5...10.2	1830.07	Σ 3	7.5 <i>yel'sh</i>
11953	Hu 783	DM (50°) 3817	40 19	50 51	133.3	0.17	8.5... 8.5	1904.40	Hu 1	
11954	H V. 94	....	40 24:	72 54:	135.2	41.67	....	1783.20	H 1	
11955	H 969	DM (33°) 4583	40 24	33 20	30±	4-5	10 ... 11	1820+	H	
11956	H 3142	DM (71°) 1161	40 26	71 15	169.4	15±	9 ... 11	1830+	H	"The ϕ of two"
11957	H 301	ξ <i>Pegasi</i>	40 42	11 33	122.8	15±	5 ... 18	1820+	H	
11958	Hu 784	DM (51°) 3462	40 48	51 54	274.3	2.38	9.0...12.5	1904.40	Hu 1	
11959	Hu 291	SD (16°) 6152	40 53	-16 46	6.0	2.12	7.1... 9.8	1900.75	Hu 3	(A. J. 494)
11960	H 3144	DM (71°) 1162	41 2	71 16	127.2	8±	12 = 12	1830+	H	"The f of two"
11961	Ho 619	L 44606	41 2	51 28	8.0	18.70	7 ... 12	1897.78	Ho 1	(A. N. 3558)
11962	OΣ 529	O. Arg. N. 24642	41 3	67 30	201.1	3.41	7.5... 8.8	1849.74	OΣ 2	A and B }
					218.9	20.64	... 9.0	1849.74	OΣ 2	A and C }
11963	H 3140	Cord. DM (27°) 16055	41 8	-27 54	90.0	15±	9-10...11	1830+	H	
11964	H 1808	DM (48°) 3832	41 13	48 25	133.8	6±	10 = 10	1828+	H	
11965	Ho 189	W ² XXII ^b . 935	41 13	34 48	339.9	3.60	8.5...13	1886.24	Ho 2	
11966	OΣ 480	Rad'. 5827	41 19	57 27	117.3	30.94	7.5... 8.2	1845.84	OΣ 2	
11967	Σ 2943	τ ¹ <i>Aquarii</i>	41 20	-14 41	112.2	30.70	6.0... 9.2	1831.81	Σ 3	6.0 <i>very yel.</i>
11968	Σ 2944	P XXII ^b . 219	41 40	- 4 51	246.9	4.12	7.0... 7.5	1832.98	Σ 8	A and B } 7.0 <i>yel'sh</i> ; A and C } 8.2 <i>wh.</i>
					157.3	55.64	... 8.2	1833.01	Σ 7	
11969	A 189	A. G. Bonn 17101	41 43	44 8	201.9	0.92	8.4... 8.5	1900.84	A 3	
11970	OΣ 481	L 44676	41 55	77 53	267.7	2.43	7.5... 9.3	1855.18	OΣ 6	7.5 <i>wh.</i>
11971	β 1037	W ¹ XXII ^b . 854	41 56	12 22	224.4	0.66	8.7...10.8	1888.81	β 4	
11972	H 3143	....	42 3	6 17	331.6	12±	10 ... 11	1830+	H	Another obs., P = 324°.9
11973	Ho 297	....	42 7	26 14	141.1	6.70	9.5...10.0	1883.80	Ho 2	
11974	H 3145	SD (16°) 6156	42 17	-16 13	202.4	12±	10 ... 11	1830+	H	
11975	H 1810	DM (57°) 2617	42 22	57 30	356.2	12±	8 ... 12	1828+	H	
11976	H 1812	DM (46°) 3828	42 37	46 53	54.5	10±	10 ... 11	1828+	H	
11977	β 1145	O. Arg. N. 24690	42 45	57 55	153.0	1.03	8.2...11.0	1889.59	β 3	A and B }
					179.5	21.99	... 9.5	1889.59	β 3	A and C }
11978	Innes 141	O. Arg. S. 22432	42 46	-20 54	319.6	2.70	8.1... 9.8	1897.85	See 1	
11979	β 1146	W ² XXII ^b . 971	42 49	30 28	335.3	0.23	7.2... 8.2	1889.55	β 3	
11980	H 970	....	42 49	0 58	270±	10±	11 = 11	1820+	H	
11981	Hn 53	Lam. 4660	42 54	- 7 8	2.3	1.51	8.6...10.0	1881.68	β 3	
11982	H 1811	DM (12°) 4892	42 56	12 30	157.9	2½±	10 ... 11	1828+	H	
11983	H 1813	DM (40°) 4913	43 8	40 58	233.8	6±	10 ... 10	1828+	H	Another obs., P = 244°.7
11984	A. G. 288	A. G. Lund 10891	43 11	37 40	179.1	18.29	8.8... 9.2	1902.63	β 2	
11985	H VI. 97	τ ² <i>Aquarii</i>	43 14	-14 13	288.5	123.61	....	1783.60	H 1	
11986	β 1219	SD (11°) 5931	43 27	-11 42	307.9	0.54	8.7... 9.4	1890.82	β 3	
11987	Ho 190	DM (27°) 4420	43 38	27 23	152.8	2.04	9.2... 9.2	1881.79	Ho 2	
11988	S 820	....	44 :	72 15	279.3	120.89	8 ... 9	1825.27	S 2	
11989	Σ 2945	DM (30°) 4816	44 2	30 41	292.6	3.88	8.5... 8.5	1832.12	Σ 3	White
11990	H 1814	DM (47°) 3932	44 9	47 57	78.0	12±	9-10...10	1828+	H	
11991	Σ 2946	W ² XXII ^b . 1005	44 14	39 53	253.1	5.05	8.0... 8.0	1831.68	Σ 4	White
11992	H 1815	....	44 15	44 49	29.6	5±	11 ... 11+	1828+	H	"Elegant"
11993	H 3146	SD (21°) 6312	22 44 22	-21 18	39.4	15±	9-10...13	1830+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
11994	H 971	DM (3°) 4781	22 ^h 44 ^m 31 ^s	4° 4'	330° ±	4" ±	11 ... 18	1820+	H	H (V) 338° 6': 4½" ±: 10-11...16
11995	β 846	L 44688	44 34	23 54	93.4	1.73	8.6...12.2	1881.57	β 3	
11996	H 1816	DM (45°) 4069	44 36	45 42	138.9	6 ±	9-10...10	1830+	H	
11997	Σ 2947	O. Arg. N. 24747	44 54	67 56	76.0	2.98	7.2... 7.2	1832.45	Σ 3	White
11998	H 3147	DM (72°) 1064	45 5	72 18	252.0	12 ±	10 ... 13	1830+	H	
11999	H 1817	DM (33°) 4597	45 11	33 49	247.5	8 ±	10 ... 11	1828+	H	Double in A. G.
12000	OΣ 530	....	45 20	67 32	208.9	5.05	9.0...10.0	1849.74	OΣ 2	
12001	Σ 2948	DM (65°) 1813	45 20	65 55	5.3	2.78	7.0... 8.7	1832.84	Σ 3	Yel'ish wh.; bluish wh.
12002	H 1818	DM (12°) 4896	45 24	12 53	49.1	8 ±	10 ... 12	1828+	H	
12003	H 1820	....	45 28	51 32	258.0	12 ±	11 ... 13	1828+	H	"In a group of about a dozen"
12004	H —	DM (52°) 3306	45 31	52 28	225.3	20 ±	9-10 = 9-10	1830+	H	
12005	H 1821	DM (59°) 2579	45 33	59 39	110 ±	8 ±	10 ... 12	1828+	H	"P est. from diagram"
12006	Hn 54	O. Arg. N. 24750	45 33	50 29	195.9	1.76	8.7... 8.9	1881.55	β 3	
12007	H 1819	DM (28°) 4468	45 34	28 36	73.3	15 ±	9 ... 11	1828+	H	
12008	Ho 482	L 44721	45 41	25 45	112.2	0.25 ±	6.8... 6.8	1893.75	Ho 3	
12009	A 415	A. G. Bonn 17169	45 43	43 27	332.8	3.90	9.0...13.3	1902.64	A 2	(Bul. L. O. No. 29)
12010	β 1332	DM (52°) 3308	45 52	52 24	130.0	1.63	8.4... 8.6	1902.54	β 5	A and B }
					310.2	3.26	...13.3	1902.54	β 4	A and C }
12011	Hu 93	SD (13°) 6289	45 53	-13 35	146.1	4.53	9.0...10.7	1899.80	Hu 3	(A. J. 480)
12012	β 177	O. Arg. S. 22454	45 55	-22 21	278.7	2.63	7.5... 8.0	1876.51	Cin 3	
12013	Doo 20	....	46 12:	58 4:	59.5	79.74	9.0...	1900.78	Doo 1	A and BC } (Pub. Flower Obey. I)
					113.4	1.09	12.0...12.5	1900.78	Doo 1	B and C }
12014	Σ 2949	DM (29°) 4789	46 15	29 24	183.2	11.13	8.8...10.5	1831.85	Σ 3	
12015	H 1824	DM (56°) 2880, 2881	46 17	56 34	47.4	18 ±	9-10...10	1828+	H	
12016	Ho 298	Yar. 10052	46 19	39 5	181.6	0.70	8.0...11.3	1888.23	Ho 2	
12017	H 1823	W ² XXII ^b . 1057	46 23	40 41	257.8	19.00	6.3...12.0	1874.69	d 1	A and B }
					338.3	81.98	... 7.3	1874.78	d 3	A and C }
					148.1	4 ±	... 11	1828+	H	C and D }
12018	H 3148	....	46 23	-15 51	132.8	20 ±	9 ... 13	1830+	H	
12019	β 451	15 Lacertae	46 37	42 40	128.5	29.60	5 ... 12.0	1888.71	β 3	
12020	A 631	A. G. Hels. 13486	46 39	56 48	292.6	0.53	9.2...10.0	1903.72	A 2	(Bul. L. O. No. 50)
12021	Σ 2950	Cephei 241	46 40	61 3	319.1	2.04	5.7... 7.0	1832.25	Σ 4	Yel.: ash
12022	H 1826	DM (74°) 988	46 46	74 32	188.9	20 ±	8 ... 14	1828+	H	7.8m. in DM
12023	H 3150	DM (52°) 3314	46 51	52 26	292.6	20 ±	9-10...9-10+	1830+	H	
12024	H 3149	DM (3°) 4789	47 6	4 2	230.4	30 ±	9-10...10	1830+	H	8.9m. in DM
12025	A 632	A. G. Hels. 13499	47 9	57 5	135.6	0.46	8.0... 8.8	1903.72	A 2	(Bul. L. O. No. 50)
12026	H 972	DM (30°) 4828	47 19	31 2	185 ±	15 ±	9 ... 10	1820+	H	
12027	H 302	DM (10°) 4841	47 21	10 12	330 ±	4-5	9 ... 12	1820+	H	
12028	H 3151	....	47 43	-12 30	120.4	4 ±	12 = 12	1830+	H	
12029	Ho 483	DM (2°) 4579	47 44	2 9	348.9	0.95	9.2... 9.6	1893.26	Ho 2	
12030	H 1825	W ² XXII ^b . 970	47 50	12 58	230 ±	1 ±	10 ... 11	1828+	H	
12031	Ho 191	W ² XXII ^b . 1081	47 53	30 7	87.9	3.37	7.0...13	1881.75	Ho 2	A and B }
					279.4	24.32	...10	1881.69	Ho 1	A and C }
12032	OΣ 482	P XXII ^b . 258	47 55	82 31	30.2	3.46	5.2... 9.9	1850.59	OΣ 6	
12033	H 1827	....	47 57	51 29	322.4	9 ±	10-11 = 10-11	1828+	H	
12034	H 1829	....	47 59	68 47	357.6	12 ±	10-11...11	1828+	H	
12035	Σ 2953	DM (60°) 2453	48 2	60 17	137.7	8.29	7.5... 9.5	1832.46	Σ 2	7.5 yel.
12036	β 382	B. A. C. 7983	48 18	44 7	205.7	1.07	6.0... 8.0	1876.39	d 7	A and B }
					353.6	26.43	...10.7	1876.24	d 3	AB and C }
12037	Σ 2952 ref.	Pegasi 260	48 28	27 23	137.0	15 ±	8 ... 11	1828+	H	
12038	OΣ (App) 238	Rad ² . 5878	48 28	67 21	280.9	69.05	6.5... 7.2	1875.48	d 3	
12039	H 973	....	48 28	34 48	265 ±	7 ±	12 = 12	1820+	H	
12040	H N. 135	....	48 30:	-12 7:	....	Cl. I	....	1801.76	H	
12041	H 3152	L 44810	48 40	-10 1	135.4	3 ±	9 ... 15	1830+	H	
12042	Σ 2955 ref.	W ² XXII ^b . 983	48 41	6 37	332.0	20 ±	8 ... 12	1830+	H	
12043	β 847	W ² XXII ^b . 1103	22 48 45	19 42	37.4	6.39	8.5... 9.2	1881.64	β 3	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
12044	Σ 2954	DM (14°) 4892	22 ^h 48 ^m 51 ^s	14° 33'	28° 6'	36.73	9.0... 9.0	1830.96	Σ 2	
12045	Hu 396	DM (5°) 5105	48 51	5 31	29.3	4.56	8.8... 11.5	1901.31	Hu 3	(Bul. L. O. No. 12)
12046	β 178	Aquarii 252	48 57	— 5 38	324.6	obl.	6.0... 8.0	1875.37	β 3	
12047	A 190	A. G. Bonn 17220	49 3	46 45	199.9	0.52	9.0... 9.5	1900.98	A 2	(Bul. L. O. No. 3; A. N. 3741)
12048	H 3153	....	49 13	0 8	28.5	10 ±	10 ... 15	1830+	H	
12049	H 303	....	49 14	12 16	20 ±	10 ±	11 ... 12	1820+	H	
12050	H 1830	....	49 14	55 1	83.4	8 ±	10 ... 10-11	1828+	H	
12051	β 1010	L 44832	49 17	— 6 13	136.5	1.21	8.5... 8.9	1881.85	β 2	
12052	β 772	δ Piscis Australis	49 18	— 33 11	235.8	4.91	5.0... 11.0	1881.84	β 5	
12053	H 974	DM (4°) 4921	49 20	4 11	92 ±	20 ±	10 ... 12	1820+	H	
12054	Ku 66	DM (32°) 4546	49 21	32 27	3.0	3.86	9.9... 10.1	1901.59	Ku 3	Kustner (3821)
12055	Hu 495	SD (14°) 6368	49 35	— 14 23	185.3	0.28	9.0... 9.6	1901.82	Hu 3	(Bul. L. O. No. 21)
12056	Σ 2956 rej.	DM (0°) 4942	49 44	0 42	162.1	20 ±	9 ... 10	1830+	H	Measures from H (V)
12057	Hu 785	DM (50°) 3872	49 49	50 52	261.7	0.25	9.4... 9.8	1902.53	Hu 1	
12058	β 383	L 44855	49 57	8 49	118.7	2.58	8.0... 12.7	1891.80	β 3	A and B }
					239.0	15.43	... 12.4	1891.80	β 3	A and C }
12059	β 848	DM (57°) 2639	49 58	57 44	5.8	2.77	8.4... 12.8	1881.67	β 3	
12060	β 712	DM (58°) 2508	49 58	58 36	291.6	1.02	9.0... 9.5	1877.58	β 1	
12061	H 975	W ² XXII ^b . 1133	50 9	35 43	247.5	45 ±	6 ... 9	1820+	H	White: red
12062	H 1831	....	50 20	42 25	91.5	10 ±	10 ... 11	1828+	H	
12063	Σ 2957	DM (16°) 4838	50 26	16 49	226.8	4.73	8.6... 10.4	1832.25	Σ 5	
12064	H 3155	SD (21°) 6331	50 44	— 21 48	10.0	15 ±	9-10... 20	1830+	H	
12065	Σ 2958	Pegasi 263	50 52	11 12	6.8	3.91	7.2... 9.5	1831.18	Σ 3	
12066	H 976	....	50 54	31 12	80 ±	5 ±	11 = 11	1820+	H	
12067	A 416	A. G. Bonn 17256	50 54	42 9	8.1	0.38	9.2... 9.7	1902.67	A 2	(Bul. L. O. No. 29)
12068	Σ 2960	16 Lacertae	50 55	40 58	344.1	27.56	6.0... 12.0	1831.78	Σ 2	A and B }
					47.1	63.54	... 9.0	1831.78	Σ 3	A and C }
					252.7	....	....	1831.78	Σ 2	C and B }
12069	Σ 2959	L 44872	50 55	— 3 53	96.7	15.66	6.5... 10.5	1832.10	Σ 4	A and B } 6.5 wh.
					94.1	10.18	... 13.3	1891.82	β 3	B and C } (BC = β 713)
12070	A 633	A. G. Hels. 13566	50 58	56 23	206.0	0.49	8.5... 11.0	1903.72	A 2	(Bul. L. O. No. 50)
12071	See 478	α Piscis Australis	51 0	— 30 15	36.2	29.98	1 ... 14.8	1896.70	See 1	
12072	Σ 2963	DM (75°) 858	51 10	75 42	354.4	2.41	7.8... 8.5	1832.88	Σ 3	White
12073	H 5371	O. Arg. S. 22513	51 16	— 26 44	346.4	5 ±	9 ... 10	1834.6	H	
12074	Hu 397	DM (18°) 5075	51 40	18 40	263.0	1.13	9.1... 11.7	1901.66	Hu 3	(Bul. L. O. No. 12)
12075	β 849	O. Arg. N. 24915	51 41	66 5	127.0	3.74	8.4... 12.3	1881.53	β 4	
12076	Σ 2961	DM (62°) 2136	51 49	62 14	348.6	1.97	8.0... 8.0	1833.23	Σ 3	White
12077	Espin —	DM (64°) 1733	51 52	64 9	330.5	2.76	11 ... 12	1902.73	Es 1	B and C }
					110.8	16 ±	9-10... 9-10	1828+	H	A and B }
12077½	H 5530	....	51 53	0 54	145 ±	20 ±	11 ... 11	1827.9	H	
12078	β 452	L 44915	51 58	42 22	256.6	6.74	7.0... 11.1	1880.71	β 2	
12079	A 634	A. G. Hels. 13590	52 0	59 3	300.9	2.02	8.0... 12.0	1903.64	A 3	(Bul. L. O. No. 50)
12080	Σ 2965	Rad ¹ . 5897	52 2	72 12	217.9	3.09	8.3... 9.3	1832.56	Σ 3	8.3 yel' sh wh.
12081	H 977	....	52 4	0 45	275 ±	3 ±	14 ... 15	1820+	H	"Two 10m. stars 50" f"
12082	H 3156	....	52 13	12 28	307.6	10 ±	10 ... 11	1830+	H	"A neb. close to it n p"
12083	H 1832	DM (37°) 4734	52 13	38 2	79.9	8 ±	10 ... 10+	1828+	H	
12084	Ho 484	W ² XXII ^b . 1175	52 16	20 6	100.4	3.08	8.0... 12	1893.08	Ho 3	A and B }
					215.3	41.08	... 12.5	1891.76	Ho 1	A and C }
12085	A 191	A. G. Bonn 17286	52 20	44 16	225.0	2.50	9.0... 12.0	1900.85	A 2	(Bul. L. O. No. 3; A. N. 3741)
12086	O. Stone 58	SD (9°) 6093	52 20	— 9 6	132.5	2.46	7.0... 8.0	1880.56	Cin 1	(Cin ⁶). 8.8 m. in SD (See p. 1085)
12087	H 3157	....	52 26	53 42	....	....	....	1830+	H	"In a cluster"
12088	OΣ 484	Rad ¹ . 5898	52 28	72 12	117.7	0.36	7.1... 8.0	1846.42	OΣ 2	A and B }
					255.4	30.72	... 11.0	1855.56	OΣ 2	AB and C }
12089	H 1834	DM (29°) 4824	52 29	29 43	168.4	18 ±	9 ... 11	1828+	H	A and B }
					179.0	30 ±	... 10	1828+	H	A and C }
12090	OΣ 536	B. A. C. 8001	22 52 30	8 43	332.8	0.40	7.0... 7.5	1852.67	OΣ 1	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
12091	OE (App) 241	DM (11°) 4910, 4911	22 ^h 52 ^m 33 ^s	11° 25'	160° 7	84.79	7.2... 7.6	1875.91	Δ 4	
12092	Σ 2962 <i>rej.</i>	L 44927	52 44	— 8 51	210 ±	16 ±	9 ... 11	1823+	H	
12093	H 1835	DM (23°) 4648	52 49	23 15	302.1	10 ±	10 ... 10-11	1828+	H	
12094	OE 483	52 <i>Pegasi</i>	53 12	11 5	180.8	0.94	6.2... 7.7	1845.28	OE 2	W.A.: red
12095	Σ 2967	DM (26°) 4540	53 12	27 6	6.8	6.67	8.2... 9.8	1831.30	Σ 3	8.2 <i>gal's</i> m.b.
12096	Barnard 18	2 <i>Piscium</i>	53 18	0 19	93.6	3.81	6.0... 13.7	1889.57	β 3	
12097	Σ 2964	W ⁺ XXII ^b . 1087	53 29	— 5 0	282.2	9.02	7.7... 9.5	1829.38	Σ 2	7.7 m.b.
12098	A 192	A. G. Bonn 17310	53 38	45 38	240.3	0.54	9.0... 10.8	1900.92	A 3	
12099	H 1836	O. Arg. W. 24963	53 44	50 40	241.8	12 ±	9 ... 11	1828+	H	
12100	H 1837	DM (29°) 4828	53 46	29 27	347.4	10 ±	10 ... 13-14	1828+	H	8.9 m. in DM
12101	Hn 55	W ⁺ XXII ^b . 1210	53 55	39 38	191.7	1.82	9.1... 10.1	1881.58	β 3	
12102	H 1838	O. Arg. W. 24973	53 59	66 27	90 ±	1 ±	11 = 11	1828+	H	
12103	Ho 192	W ⁺ XXII ^b . 1211	54 3	29 26	30.8	1.62	8.5... 9.5	1884.87	Ho 2	
12104	Hn 56	DM (41°) 4656	54 11	41 11	125.2	0.93	8.4... 8.5	1881.43	β 4	
12105	Σ 2971	DM (77°) 879	54 12	77 51	5.2	5.34	7.3... 8.5	1832.88	Σ 3	Yel'sh: ash
12106	β 850	L 44985	54 22	13 13	119.8	3.05	8.1... 10.6	1881.57	β 3	
12107	A 785	A. G. Chris. 3704	54 24	69 12	25.4	1.14	9.0... 9.5	1904.52	A 1	
12108	β 179	O. Arg. B. 22553	54 26	— 22 54	115.7	13.35	8.4... 9.2	1878.10	Cin 3	
12109	H 1839	DM (40°) 4965	54 52	40 29	293.5	15 ±	9-10... 12	1828+	H	"Small star dusky red." 8.3 m. in DM (See p. 1085)
12110	H 3158	DM (69°) 1292	54 56	70 7	45 ±	½ ±	....	1830+	H	
12111	Σ 2968	<i>Pegasi</i> 273	54 58	30 26	90.4	3.35	7.0... 9.5	1832.32	Σ 4	7.0 m.b.
12112	H 1840	O. Arg. W. 24980	54 58	47 44	298.4	14 ±	9 ... 11	1828+	H	
12113	Σ 2969	DM (25°) 4861	55 18	26 8	34.6	4.00	8.0... 9.9	1831.92	Σ 4	8.0 m.b.
12114	Hd 174	....	55 44:	— 22 32:	15 ±	5 ±	9 ... 11	1868.84	Hd	
12115	β 1011	Lac. 9343	55 53	— 37 4	301.7	2.16	7.2... 10.5	1881.85	β 3	
12116	A 193	A. G. Bonn 17355	56 0	46 0	178.4	1.33	8.9... 9.1	1900.93	A 3	
12117	Σ 2970	W ⁺ XXII ^b . 1149	56 6	— 11 57	35.3	8.42	8.5... 9.0	1829.87	Σ 2	
12118	β 384	<i>Aquarii</i> 265	56 14	— 19 10	72.2	1.27	7.2... 9.2	1877.14	Δ 3	
12119	β 481	W ⁺ XXII ^b . 1162	56 23	— 11 53	51.8	1.30	9.0... 9.5	1878.19	β 2	
12120	Hu 398	DM (17°) 4853	56 28	17 58	321.6	0.44	8.7... 9.0	1901.66	Hu 3	(Bul. L. O. No. 18)
12121	Σ 2972 <i>rej.</i>	DM (— 0°) 4451	56 34	— 0 23	198.0	12 ±	9-10... 14	1830+	H	
12122	A 194	A. G. Bonn 17365	56 34	47 21	97.7	0.18	8.0... 8.0	1900.94	A 4	
12123	A 635	A. G. Bonn. 13657	56 37	60 2	223.5	0.77	8.0... 10.3	1903.62	A 3	(Bul. L. O. No. 90)
12124	H 3160	....	56 47	— 16 11	46.4	6 ±	12 = 12	1830+	H	"A third star so" f"
12125	β 1147	2 <i>Andromedae</i>	57 5	42 7	317.8	0.28	5.0... 8.7	1889.54	β 3	
12126	H 3162	O. Arg. W. 25043	57 12	74 15	311.4	15 ±	9 ... 15	1830+	H	
12127	H 3161	....	57 14	6 14	243.1	6 ±	11 ... 14	1830+	H	
12128	Σ 2973	L 45104	57 16	43 25	40.7	7.44	7.3... 10.5	1831.45	Σ 3	7.3 m.b.
12129	H 1841	DM (45°) 4126	57 27	45 31	345.8	15 ±	9 ... 9+	1828+	H	A and B } 8.6 m. in DM
					285.8	24 ±	... 9-10	1828+	H	A and C }
12130	OE 485 <i>rej.</i>	Rad ⁺ . 5933	57 34	54 35	52.4	21.77	6.0... 9.2	1866.99	Δ 3	6.0 m.b.
12131	β 851	O. Arg. W. 25054	57 36	75 29	158.0	1.69	7.5... 13.0	1881.67	β 3	
12132	H 1843	....	57 41	56 40	103.0	6 ±	11 = 11	1828+	H	
12133	A. G. 289	DM (22°) 4769	57 56	22 31	48.6	1.93	9.2... 9.2	1901.70	Hu 3	
12134	H 1842	β <i>Pegasi</i>	57 56	27 26	204.1	80 ±	2 ... 16-17	1828+	H	
12135	Ho 193	W ⁺ XXII ^b . 1301	57 57	29 16	169.1	2.83	7.2... 11.2	1883.83	Ho 3	
12136	H 1844	....	58 3	73 50	70.5	13 ±	11 ... 12	1828+	H	
12137	H 3163	DM (53°) 3064	58 15	53 20	171.7	12 ±	9 ... 11	1830+	H	
12138	OE 486 <i>rej.</i>	Rad ⁺ . 5940	58 26	59 48	275.8	33.91	6.2... 8.8	1866.99	Δ 3	W.A.: blue
12139	A 195	A. G. Bonn 17401	58 40	47 56	27.4	1.58	8.5... 11.5	1900.94	A 4	
12140	Arg. 45	O. Arg. W. 25069	58 48	45 58	16.8	3.32	8.5... 9.5	1879.57	Cin 1	
12141	H 1845	DM (60°) 2474	58 50	60 12	8 ±	10 ±	9 ... 14	1828+	H	A and B }
					35 ±	14 ±	... 13	1828+	H	A and C }
12142	H 3164	L 45137	58 52	— 17 44	136.5	30 ±	6 ... 12	1830+	H	
12143	A 417	83 and 84 <i>Aquarii</i>	22 58 53	— 8 20	61.0	0.19	6.0... 6.0	1902.64	A 4	A and B }
					146.0	262.11	5.6... 7.0	1835.77	Σ 5	AB and C }

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
12144	OS 487	B. A. C. 8048	22 ^h 59 ^m 10 ^s	80° 8'	209.0	0.20	7.2... 8.6	1891.10	β 5	
12145	H 3165	DM (5°) 5129	59 16	6 6	35.2	5±	10-11.12	1830+	H	
12146	Howe 62	W ² XXII ^b . 1223	59 16	-4 54	213.9	3.84	8.0... 10.0	1879.63	Cin 1	
12147	Σ 2974	W ² XXII ^b . 1328	59 18	32 44	159.7	2.83	8.0... 8.0	1831.69	Σ 4	Very wh.
12148	H 3167	....	59 21	71 52	128.3	5±	11 ... 13	1830+	H	
12149	Ho 485	W ² XXII ^b . 1229	59 23	3 29	46.1	5.40	8.5... 10.7	1892.74	Ho 2	(A. N. 3234)
12150	H 1846	....	59 47	50 39	171.8	8±	11 = 11	1828+	H	
12151	A 196	A. G. Bonn 17423	23 0 3	46 4	324.0	0.48	8.5... 9.0	1900.92	A 3	
12152	H 3166	....	0 4	-22 29	147.0	3±	13 = 13	1830+	H	
12153	A 636	A. G. Hels. 13726	0 8	57 36	77.0	0.76	8.0... 12.0	1903.64	A 3	(Bul. L. O. No. 50)
12154	β 773	ν Gruis	0 12	-39 32	....	....	5.7...	1879	β	
12155	H 5384	SD (15°) 6346	0 18	-15 31	....	Cl. III	8½... 9	1834+	H	
12156	Kr 62	A. G. Hels. 13727	0 24	62 45	323.8	5.10	9.0... 9.1	1890.76	β 1	
12157	H 1847	....	0 25	57 47	52.0	3±	11 ... 11+	1828+	H	
12158	Espin 107	DM (49°) 4038	0 26	49 28	216.6	4.5	8.8... 11.0	1901	Es	(A. N. 3784) (See p. 1086)
12159	H 978	SD (4°) 5822	0 29	-4 51	290±	9±	9 ... 11	1820+	H	
12160	Ho 194	L 45208	0 34	41 9	59.9	0.3±	7.0... 9.3	1885.84	Ho 2	
12161	H 3168	DM (5°) 5134	0 38	6 1	350.1	15±	9-10... 13	1830+	H	
12162	H 3169	....	0 49	-21 20	213.3	5±	11 = 11	1830+	H	
12163	Σ 2975 rej.	DM (32°) 4584	0 56	32 23	287.6	30.29	9.2... 9.2	1902.61	β 2	
12164	Ho 195	W ² XXII ^b . 1372	1 2	30 2	356.8	3.77	8.4... 10.5	1884.14	Ho 3	
12165	OS (App) 242	Rad ² . 5954	1 5	46 17	31.2	79.85	7.2... 8.0	1876.14	Δ 3	
12166	H 1848	....	1 6	42 19	293.6	3±	16 ... 17	1828+	H	
12167	H 3172	....	1 15	54 14	187.8	12±	10 = 10	1830+	H	
12168	Hu 94	SD (10°) 6064	1 27	-10 19	246.7	4.49	8.5... 12.8	1899.66	Hu 3	(A. J. 480)
12169	Σ 2977	DM (60°) 2479	1 29	60 48	335.1	2.19	6.8... 10.7	1833.23	Σ 2	6.8 yel.
12170	OS 488 rej.	W ² XXII ^b . 1377	1 31	19 56	334.9	13.45	7.0... 10.7	1865.88	Δ 2	
12171	β 1025	L 45242	1 38	12 1	268.6	0.77	8.0... 10.8	1891.57	β 3	A and B }
					84.3	22.16	... 11.9	1891.57	β 3	A and C }
12172	Σ 2976	DM (5°) 5135	1 38	5 57	262.1	7.94	8.3... 10.2	1828.43	Σ 3	A and B }
					177.7	15.89	... 8.8	1828.43	Σ 3	A and C }
12173	Σ 2978	P XXII ^b . 306	1 43	32 11	146.2	8.40	6.8... 8.0	1830.59	Σ 3	Wh.: bluish
12174	H 3171	SD (13°) 6345	1 44	-13 43	41.7	20±	9-10... 10	1830+	H	
12175	H 1850	....	2 6	55 32	132.2	3½±	11 = 11	1828+	H	"Neat"
12176	β 78	W ² XXII ^b . 1393	2 9	30 49	55.0	17.22	7.2... 11.0	1879.57	β 1	A and B }
					61.9	48.07	... 11.5	1879.57	β 1	A and C }
12177	β 180	O. Arg. N. 25161	2 9	60 11	176.8	0.57	7.5... 8.0	1875.08	Δ 3	A and B }
					106.3	34.30	... 10.5	1875.54	Δ 2	AB and C }
12178	Σ 2979	W ² XXII ^b . 1395	2 10	39 9	218.4	3.09	8.0... 10.0	1831.92	Σ 4	8.0 yel'ish
12179	H 1849	4 Andromedae	2 10	45 44	347.0	50±	6 ... 13	1828+	H	
12180	H 979	W ² XXII ^b . 1399	2 21	21 28	225±	12±	9 ... 10	1820+	H	
12181	Ho 196	DM (29°) 4868	2 33	29 49	289.6	1.54	8.0... 11.0	1883.54	Ho 3	
12182	Ho 620	DM (23°) 4683	2 42	23 36	101.1	12.38	8.1... 12	1895.83	Ho 2	(A. N. 3558)
12183	Σ 2980	SD (8°) 6034	2 58	-7 58	107.9	4.15	7.2... 10.2	1831.08	Σ 4	7.2 yel.
12184	Σ 2984	DM (69°) 1307	2 58	70 1	294.6	4.66	7.5... 10.0	1832.57	Σ 4	7.5 very yel.
12185	Σ 2981	L 45303	3 13	-9 29	112.4	3.61	8.8... 8.8	1830.51	Σ 3	
12186	Ho 487	L 45320	3 26	18 6	116.9	17.40	6.7... 12.5	1892.35	Ho 2	(A. N. 3234)
12187	A 311	SD (4°) 5833	3 26	-4 37	128.4	1.40	8.5... 10.7	1901.96	A 3	
12188	Σ 2982	57 Pegasi	3 28	8 2	198.1	32.56	5.9... 10.5	1831.06	Σ 4	5.9 golden
12189	H 3173	....	3 31	-20 30	50.3	10±	10 = 10	1830+	H	
12190	H 304	DM (9°) 5168	3 33	10 5	162.4	15±	9-10... 11	1820+	H	
12191	Σ 2983 rej.	DM (14°) 4937	3 41	14 33	....	III-IV	8 ... 10	....	Σ	Yellow: blue. From H (V)
12192	Hu 57	DM (50°) 3962	3 49	50 53	295.8	2.46	8.7... 10.3	1881.51	β 3	
12193	H 3174	W ² XXII ^b . 22	3 53	-8 43	16.8	3±	10 ... 10+	1830+	H	
12194	H 5531	....	3 57	35 47	55±	4±	12 = 12	1827.9	H	
12195	Σ 2986	DM (13°) 5059	23 3 59	13 47	273.9	31.62	6.5... 9.3	1829.80	Σ 3	6.5 wh.

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
12196	OE 489	π Cephei	23 ^h 4 ^m 5 ^s	74° 44'	351° 4	1 ^s 15	5.2... 7.5	1846.48	OE 2	Very yell.; purple
12197	H 1851	DM (69°) 1308	4 18	69 26	348.5	5 ±	10 ... 11	1828+	H	8.5 m. in DM
12198	S 825	W ² XXIII ^h . 34	4 21	36 12	320.0	65.33	6½... 7	1825.70	S 2	
12199	H 5386	Cord. DM (25°) 16312	4 23	-25 57	80 ±	10 ±	10 ... 10	1836.7	H	"P est. from diagram"
12200	Σ 2985	DM (47°) 4059, 4058	4 26	47 19	252.1	15.00	7.0... 8.0	1832.39	Σ 5	Yel'ish wh.; bluish
12201	β 385	W ² XXIII ^h . 40	4 31	31 50	135.8	0.42	7.1... 7.9	1876.40	Δ 6	A and B }
					77.1	58.05	... 9.0	1876.72	Δ 2	AB and C }
12202	S 823	2 Cassiopeiae	4 37	58 41	163.3	166.68	6 ... 9	1824.70	S 2	
12203	A 637	A. G. Hels. 13796	4 38	60 3	322.4	1.13	9.0... 10.0	1903.60	A 3	(Bul. L. O. No. 50)
12204	Σ 2987	DM (48°) 3952	4 49	48 22	166.0	3.45	7.3... 10.2	1832.43	Σ 3	7.3 yel'ish
12205	β 852	Pegasi 306	4 51	25 52	282.6	58.55	7.0...	1881.61	β 3	A and B }
					11.2	1.20	10.8... 11.3	1881.62	β 3	B and C }
12206	A 786	A. G. Chris. 3739	4 53	69 33	149.7	1.39	8.6... 12.0	1904.52	A 1	
12207	OE 490	Rad'. 5985	4 57	56 48	308.5	1.36	7.2... 9.2	1846.80	OE 2	
12208	M N. 88	....	5 ±	-7 30 ±	....	....	....	1792	H	
12209	H 1853	....	5 4	44 13	265.4	15 ±	8-9... 12	1828+	H	
12210	H 980	W ² XXIII ^h . 48	5 8	4 21	185 ±	70 ±	....	1820+	H	A and B }
					40 ±	3 ±	....	1820+	H	B and C }
12211	H 1854	....	5 20	28 50	267.0	8 ±	11 ... 17	1828+	H	
12212	H 3175	DM (53°) 3086	5 21	53 26	78.8	10 ±	9-10... 11-12	1830+	H	(See p. 1086)
12213	Σ 2988	Aquarii 284	5 43	-12 35	281.0	3.73	7.2... 7.2	1830.89	Σ 3	Yel'ish
12214	Ho 197	W ² XXIII ^h . 69	5 44	37 34	110.6	0.44	8.0... 8.3	1885.81	Ho 2	A and B }
					329.5	42.56	... 8.5	1885.81	Ho 1	AB and C }
					281.3	47.30	... 8.5	1885.81	Ho 1	AB and D }
12215	H 305	....	5 46:	-13 30:	96 ±	5 ±	11 ... 11+	1820+	H	
12216	A. G. 290	A. G. Chris. 3744	6 11	65 15	265.5	15.02	9.0... 9.1	1891.62	β 2	
12217	H 1855	....	6 18	44 56	296.7	1½ ±	11 = 11	1828+	H	
12218	Hn 170	SD (22°) 6088	6 24	-22 35	277.7	1.46	9.3... 10.3	1888.73	Com 3	
12219	See 479	O. Arg. S. 22672	6 39	-24 45	54.6	12.04	8.2... 14.5	1897.42	See 2	
12220	A 197	A. G. Bonn 17540	6 40	44 10	160.2	0.49	8.1... 9.1	1900.79	A 6	
12221	Hu 496	SD (17°) 6700	6 44	-16 55	112.7	1.26	9.0... 12.5	1901.74	Hu 2	(Bul. L. O. No. 21)
12222	H 3176	DM (11°) 4955	6 52	11 54	164.1	20 ±	9 = 9	1830+	H	8.7 m. in DM
12223	H 3177	....	6 53	9 54	170 ±	25 ±	8-9... 8-9	1830+	H	
12224	OE 492	Rad'. 6002	7 8	81 56	230.2	8.97	7.3... 11.0	1848.77	OE 3	7.3 golden
12225	Σ 2989	DM (19°) 5067	7 13	19 20	141.5	1.59	8.5... 9.9	1835.68	Σ 2	
12226	A 418	SD (9°) 6146	7 14	-9 34	23.8	0.21	8.0... 9.0	1902.65	A 3	(Bul. L. O. No. 29)
12227	H 1856	....	7 18	55 5	326.8	4 ±	10-11... 11-12	1828+	H	
12228	Σ 2990	DM (21°) 4900	7 23	21 26	69.1	1.61	8.5... 8.5	1831.12	Σ 3	White
12229	Σ 2992	W ² XXIII ^h . 99	7 24	39 21	286.4	13.75	7.5... 9.2	1830.45	Σ 4	7.5 wh.
12230	Σ 2991 rej.	DM (10°) 4902	7 24	10 25	359.7	33.52	7 ... 10	1904.52	β 2	
12231	β 181	Aquarii 286	7 31	-14 3	309.2	1.51	7.1... 10.4	1876.26	Δ 4	A and B }
					234.9	18.78	... 12.0	1877.74	β 1	A and C }
12232	OE 491 rej.	P XXIII ^h . 15	7 33	1 33	....	....	7 ...	....	....
12233	A 198	A. G. Bonn 17555	7 35	45 45	170.2	0.56	9.2... 9.2	1900.93	A 3	
12234	Σ 2993	W ² XXIII ^h . 103	7 47	-9 35	177.9	25.63	7.0... 7.8	1830.89	Σ 3	White
12235	A 199	A. G. Bonn 17559	7 48	45 24	277.2	1.98	8.4... 11.5	1900.93	A 3	
12236	H 981	Lam. 9129	7 51	2 13	285 ±	10 ±	9 ... 12	1820+	H	H (V) 282° 9: 12' ±: 9-10... 12
12237	β 714	B. A. C. 8084	7 56	-3 17	145.5	0.57	7.0... 10.0	1878.64	β 1	
12238	Ho 299	W ² XXIII ^h . 116	8 6	23 35	76.0	0.87	8.0... 10.2	1887.77	Ho 2	
12239	H 1857	DM (56°) 2970	8 7	56 42	102.8	17 ±	9-10... 10	1828+	H	
12240	H 3179	....	8 12	-0 25	31.3	12 ±	11-12=11-12	1830+	H	
12241	H 3178	....	8 17	-21 46	126.4	8 ±	12 ... 13	1830+	H	"Between two of 9-10 m."
12242	β 715	Aquarii 290	8 25	-11 20	256.0	3.35	7.0... 11.5	1878.29	β 4	
12243	H 1860	O. Arg. N. 25307	8 28	62 1	14.9	6 ±	9 ... 14	1828+	H	
12244	H 1858	DM (28°) 4554	8 30	29 4	89.0	20 ±	10 ... 13	1828+	H	
12245	H 1859	W ² XXIII ^h . 131	23 8 32	29 7	118.2	25 ±	7 ... 12	1828+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
12246	H 982	W ² XXIII ^h . 127	23 ^h 8 ^m 34 ^s	19° 47'	225° ±	25" ±	7 ... 18	1820+	H	A and B }
					187 ±	30 ±	... 17	1820+	H	A and C }
12247	H 983	W ² XXIII ^h . 134	8 35	31 7	162 ±	15 ±	8-9... 9-10	1820+	H	
12248	Σ 2996	Redhill 3555	8 39	81 10	109.2	4.90	8.3... 8.7	1832.26	Σ 3	White
12249	Hu 786	DM (80°) 754	8 41	80 42	1.8	0.45	9.0... 10.0	1904.48	Hu 1	
12250	Hu 788	DM (49°) 4070	8 42	49 21	178.5	0.23	9.2... 9.8	1902.53	Hu 1	
12251	A 200	A. G. Bonn 17584	9 0	40 37	92.0	0.28	8.2... 8.7	1900.72	A 4	
12252	Hu 787	DM (78°) 824	9 3	78 23	...	1 ±	9.0... 10.0	1904	Hu	
12253	A 787	DM (68°) 1361	9 5	68 26	14.2	2.73	9.3... 9.4	1904.52	A 1	
12254	A. G. 291	A. G. Lund 11105	9 14	35 17	236.8	20.93	8.6... 10.7	1902.52	β 2	A and B }
					233.8	43.73	... 10.2	1902.52	β 2	A and C }
12255	β 716	....	9 15	- 9 43	268.6	1.70	9.5... 10.5	1877.61	β 1	
12256	A 201	A. G. Bonn 17590	9 26	42 40	28.6	0.45	8.5... 10.0	1900.75	A 3	
12257	β 1220	ψ ² Aquarii	9 36	- 9 44	101.1	0.22	9.1... 9.2	1890.63	β 3	B and C }
					312.2	49.63	4.5... 8.5	1836.66	Σ 4	A and BC } 4-5 very
					274.3	64.96	... 13.5	1880.91	β 1	A and D } red.
					16.7	19.25	... 12.5	1891.89	β 2	BC and E } 8.5 blue
12258	H 1861	....	9 46	54 23	266.2	10 ±	10-11... 11	1828+	H	
12259	Hu 597	SD (18°) 6276	9 54	-18 23	128.5	4.98	8.8... 10.8	1901.29	Hu 2	(Bul. L. O. No. 27)
12260	See 481	Cord. 23 ^h . 265	9 57	-27 0	140.4	3.12	8.0... 8.1	1897.71	See 1	
12261	H 1862	DM (26°) 4589	9 59	26 50	231.7	10 ±	8 ... 11-12	1828+	H	
12262	Hu 789	DM (79°) 772	10 21	79 14	...	1.5 ±	9.0... 11.0	1904	Hu	
12263	H 1863	....	10 21	48 21	241.0	5 ±	12 ... 13	1828+	H	"Difficult to measure"
12264	Hu 399	SD (16°) 6250	10 22	-16 13	322.7	0.70	8.5... 10.5	1901.11	Hu 3	(Bul. L. O. No. 12)
12265	Σ 2995	SD (2°) 5917	10 24	- 2 15	26.7	4.56	7.7... 8.0	1830.51	Σ 3	White
12266	H 1865	....	10 26	67 7	213.9	8 ±	11 ... 11+	1828+	H	
12267	H 3181	DM (52°) 2405	10 27	52 19	18.7	25 ±	9 ... 10-11	1830+	H	
12268	A 638	A. G. Hels. 13884	10 31	60 1	214.0	2.93	8.4... 12.8	1903.62	A 3	(Bul. L. O. No. 50)
12269	Weisse 39	W ² XXIII ^h . 166	10 32	2 15	...	...	9 ...	....	....
12270	H 3182	....	10 34	52 21	0.5	6 ±	11 = 11	1830+	H	
12271	H 1864	....	10 36	41 59	205.5	18 ±	9-10... 10	1828+	H	
12272	H 3180	DM (9°) 5190	10 37	9 37	253.1	15 ±	9-10... 12	1830+	H	
12273	β 992	O. Arg. N. 25354	10 48	63 28	170.5	0.41	8.0... 8.2	1880.59	β 5	
12274	β 182	W ² XXIII ^h . 175	10 52	-14 28	42.3	0.83	8.7... 8.9	1876.28	Δ 3	
12275	Σ 2997	DM (20°) 5303	11 4	20 45	223.1	24.40	8.5... 9.0	1831.74	Σ 2	White
12276	β 79	L 45585	11 24	- 2 10	115.3	1.03	7.9... 9.6	1876.35	Δ 4	A and B }
					157.3	16.00	... 16.5	1894.67	Bar 2	AB and C }
12277	Hu 497	W ² XXIII ^h . 195	11 32	16 12	32.4	2.31	8.0... 9.0	1884.83	Ho 2	A and B }
					241.0	0.35	9.5... 10.0	1901.78	Hu 3	B and C }
12278	A 419	SD (6°) 6184	11 34	- 6 13	210.7	1.23	8.8... 10.5	1902.45	A 4	(Bul. L. O. No. 29)
12279	β 853	O. Arg. N. 25370	11 37	61 9	228.8	0.62	8.7... 8.7	1881.64	β 2	A and B }
					67.3	7.34	... 13	1881.67	β 1	AB and C }
12280	Hu 400	DM (17°) 4891	11 40	17 39	249.1	0.32	7.4... 8.8	1901.78	Hu 3	(Bul. L. O. No. 12)
12281	H 3183	SD (2°) 5921	11 43	- 2 23	12.3	2 ±	11 = 11	1830+	H	"Neat"
12282	Hu 598	SD (17°) 6719	11 44	-17 0	131.7	1.31	8.8... 9.5	1901.41	Hu 3	(Bul. L. O. No. 27)
12283	Hu 790	DM (32°) 4618	11 56	32 36	302.8	1.05	8.0... 12.5	1904.48	Hu 1	
12284	H 5393	L 45605	12 1	-25 39	312.7	15 ±	9 ... 10	1836.7	H	
12285	β 717	8 Andromedae	12 11	48 22	161.4	7.55	5.0... 13.0	1878.88	β 4	
12286	Doo 21	DM (59°) 2692	12 12	59 36	125.4	1.20	9.5... 10.0	1900.70	Doo 1	(Pub. Flower
12287	Kr 64	A. G. Hels. 13912	12 14	55 3	239.3	1.74	9.4... 9.5	1890.76	β 1	Obey, 1)
12288	Σ 2999 rej.	DM (4°) 4993, 4992	12 41	4 32	...	III, IV	9... 8... 8	....	Σ	
12289	Ho 199	95 Aquarii	12 43	-10 16	223.5	1.15	5 ... 11	1884.85	Ho 1	
12290	β 80	L 45638	12 45	4 45	300.4	1.07	8.2... 9.1	1875.80	Δ 4	
12291	H 1866	....	12 47	12 45	160 ±	15 ±	....	1828+	H	
12292	Σ 2998	94 Aquarii	12 47	-14 7	345.1	13.37	5.2... 7.2	1830.90	Σ 3	Yel'sh wh.: blue
12293	A 202	A. G. Bonn 17640	23 12 48	46 36	255.8	2.42	7.7... 10.2	1900.93	A 2	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
12294	Σ 3000	DM (24°) 4749	23 ^h 12 ^m 50 ^s	24° 33'	52° 3'	3.25	8.7... 8.8	1831.11	Z 3	White
12295	H 1867	....	12 53	43 41	114.8	10±	10 ... 11	1828+	H	
12296	H 5394	96 <i>Aquarii</i>	13 10	- 5 47	26.3	10±	6 ... 14	1836.7	H	
12297	H 307	....	13 19	12 47	329.0	15±	9-10... 11	1820+	H	From H (IV)
12298	See 482	L 45658	13 19	-23 53	94.7	14.12	6.7... 13.7	1897.73	See 1	
12299	OE 493	Rad ¹ . 6028	13 22	47 50	23.4	8.26	7.5... 10.5	1847.22	OE 3	
12300	Σ 3003	Rad ¹ III 3576	13 22	82 47	269.9	23.54	8.5... 9.0	1832.26	Z 3	White
12301	A 639	A. G. Bonn 17652	13 27	46 47	105.2	0.67	9.0... 9.7	1903.93	A 3	(Bul. L. O. No. 90)
12302	H 308	....	13 28	12 45	290±	15±	10 ... 11	1820+	H	Place from H (IV)
12303	H 309	....	13 33	12 46	315±	10-12	11 ... 12	1820+	H	Place from H (IV)
12304	Σ 3001	<i>o Cephei</i>	13 41	67 27	175.0	2.35	5.2... 7.8	1882.84	Z 3	Very red: very blue
12305	OE (App) 244	Rad ¹ . 6035	14 3	47 43	304.9	78.89	6.0... 9.3	1875.64	A 3	
12306	H 1868	....	14 10	55 4	158.0	15±	10 ... 12	1828+	H	
12307	Σ VI. 61	....	14 14	4 44	....	60±	....	1781-2	H	A and B } B and C }
12308	β 229	L 45726	14 27	56 35	37.9	17.55	7.0... 11.7	1876.68	A 2	
12309	H 3184	L 45704	14 38	-19 12	281.7	6±	8 ... 9-10	1830+	H	
12310	H 984	DM (30°) 4925	14 41	30 40	....	10±	9 ... 11	1820+	H	
12311	Ho 488	L 45712	14 43	1 48	215.9	0.67	10 ... 11	1890.93	Ho 2	B and C } <i>8.0 yr. P. 21</i> A and BC } <i>2300</i>
12312	OE 494	W ² XXIII ^b . 278	14 52	21 18	83.6	3.34	7.4... 8.1	1850.33	OE 6	
12313	Σ 3004	B. A. C. 8135	15 3	43 28	177.7	13.13	6.5... 10.0	1833.84	Z 2	6.5 very red.
12314	H 1870	O. Arg. N. 25454	15 13	73 16	280.4	12±	8 ... 13	1828+	H	
12315	Hu 292	SD (21°) 6409	15 14	-20 57	37.3	0.42	8.5... 11.5	1900.81	Hu 2	(A. J. 494)
12316	β 278	B. A. C. 8138	15 20	61 33	173.9	12.66	6.6... 11.8	1890.64	β 3	
12317	Σ 3006	DM (34°) 4904	15 24	34 47	182.8	4.65	8.5... 9.0	1831.55	Z 3	White
12318	Hu 95	SD (13°) 6390	15 34	-12 56	221.1	0.51	9.2... 10.5	1899.73	Hu 3	(A. J. 480)
12319	Hu 293	SD (17°) 6737	15 35	-17 22	293.2	1.00	9.0... 10.5	1900.74	Hu 2	(A. J. 494)
12320	H 3185	....	15 36	8 14	160±	....	14 ... 14	1830+	H	
12321	Espin —	DM (61°) 2430	15 36	61 45	....	30±	8.0... 11.5	1902	Es	A and B } (<i>M. N.</i> B and C } <i>LXIV</i> 680)
12322	Σ 3005 <i>rej.</i>	W ² XXIII ^b . 291	15 37	24 17	21.8	18±	9 ... 11	1828+	H	Measures from H (IV)
12323	H 3186	....	15 41	52 36	117.4	13±	9 ... 11-12	1830+	H	
12324	H 1871	....	15 55	51 12	132.8	10±	10 ... 12	1828+	H	
12324 ¹	A 640	A. G. Bonn. 13977	15 55	59 55	14.0	0.76	9.4... 9.6	1903.59	A 3	
12325	β 718	64 <i>Pegasi</i>	16 3	31 9	88.3	0.47	5.0... 8.7	1878.74	β 4	
12326	H 310	SD (13°) 6394	16 7	-13 38	315±	20±	10 ... 11	1820+	H	
12327	H 1872	....	16 22	41 53	102.5	12±	12 ... 13	1828+	H	
12328	Hu 294	DM (4°) 4999	16 22	4 50	140.9	1.89	8.8... 13.2	1900.68	Hu 2	(A. J. 494)
12329	Hu 295	97 <i>Aquarii</i>	16 22	-15 42	84.4	0.37	5.5... 6.8	1900.74	Hu 2	(A. J. 494)
12330	H 3187	....	16 36	5 48	257.6	12±	10 ... 12	1830+	H	
12331	Hd 175	98 <i>Aquarii</i>	16 40	-20 45	359.9	....	....	....	Hd	
12332	Σ 3007	B. A. C. 8147	16 46	19 54	79.2	5.69	6.5... 9.5	1829.83	Z 3	6.5 red.
12333	H 1873	O. Arg. N. 25485	16 46	55 25	64.4	7±	9 ... 11	1828+	H	8-9 m. in O. Arg.
12334	Hu 296	SD (17°) 6742	16 56	-17 12	191.2	4.09	8.9... 11.5	1900.74	Hu 2	(A. J. 494)
12335	Ho 300	66 <i>Pegasi</i>	17 1	11 39	312.1	0.3±	5 ... 5	1889.85	Ho 1	
12336	H 3188	DM (11°) 4994	17 8	11 47	....	12±	9 ... 11	1830+	H	"A very neat double star"
12337	H 3189	B. A. C. 8152	17 23	- 0 22	130.3	50±	6-7... 12	1830+	H	
12338	H 5397	O. Arg. S. 22808	17 24	-15 8	330.0	61.76	7 ... 9	1835.76	H 1	
12339	H 3191	DM (80°) 763	17 25	80 47	43.5	18±	9-10... 13	1830+	H	
12340	Σ 3008	P XXIII ^b . 69	17 32	- 9 7	273.3	7.54	7.0... 8.0	1830.39	Z 3	Yellow: achy
12341	H 1874	....	17 38	- 7 51	310.0	8±	11 ... 12	1828+	H	
12342	Howe 63	Cond. DM (27°) 16305	17 38	-27 56	266.9	6.20	7.2... 10.5	1877.74	Cin 1	
12343	Σ 3010	DM (44°) 4399	17 45	45 8	132.4	25.33	8.0... 8.7	1831.82	Z 3	Yellow
12344	Σ 3009	DM (2°) 4663	18 9	3 3	229.5	6.85	6.8... 8.8	1829.50	Z 3	Very red: blue
12345	β 854	DM (5°) 5164	23 18 14	5 23	90.0	2.10	8.7... 8.7	1881.66	β 3	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
12346	β 719	W ¹ XXIII ^b . 342	23 ^h 18 ^m 22 ^s	13° 49'	10° 9	1' 11	8.0...11.0	1877.86	β 1	
12347	H 3190	....	18 27	5 37	258.2	10±	10 ...12	1830+	H	
12348	O Σ 495	B. A. C. 8158	18 41	56 53	310.4	0.56	7.3... 7.5	1846.57	O Σ 3	
12349	η VI. 25	....	18 42:	58 1:	....	Cl. V	....	1782.64	η	A and B }
					....	135±	....	1780.63	η	A and C }
12350	A 788	A. G. Bonn 17740	18 45	45 7	270.4	4.15	8.8...14.2	1904.45	A 2	
12351	H 5398	....	19 2	-17 54	....	Cl. III	....	1834+	H	Est. 10": 12": 10...10+ (1874)
12352	A 789	A. G. Chris. 3780	19 22	68 38	79.3	1.78	8.3... 9.0	1904.52	A 1	
12353	H 3192	SD (17°) 6749	19 27	-17 35	115.8	15±	9-10 = 9-10	1830+	H	
12354	η VI. 24	4 Cassiopeiae	19 30	61 37	....	120±	....	1780.61	η	A and B }
					....	105±	....	1780.61	η	A and C }
12355	H 1875	DM (51°) 3603	19 34	51 11	166.0	15±	10 ...11	1828+	H	
12356	Σ 3011	O. Arg. W. 25560	19 35	76 25	334.8	6.85	8.5... 8.8	1832.88	Σ 3	White
12357	See 484	O. Arg. S. 22832	19 40	-23 11	52.6	1.25	8 ...10.8	1897.66	See 1	A and B }
					140.3	22.70	...12.8	1897.66	See 1	A and C }
12358	H 985	....	19 40	2 51	142±	5±	11 ...13	1820+	H	
12359	A. G. 292	A. G. Leiden 9943	19 46	32 47	234.0	3.51	9.0... 9.5	1903.11	β 2	
12360	Hd 176	SD (23°) 2167	19 55	-22 5	48.9	4.45	8.5... 9	1868.82	Hd 1	
12361	H 3193	SD (12°) 6487	20 2	-12 18	212.1	30±	9 ...10	1830+	H	
12362	H 1876	DM (36°) 5064	20 2	36 10	210.1	5±	10 = 10	1828+	H	
12363	Ho 489	W ¹ XXIII ^b . 384	20 4	27 3	241.2	0.44	8.0... 8.0	1889.85	Ho 2	A and B }
					194.5	63.14	7.0... 7.5	1875.34	Δ 3	AB and C }
12364	Espin 108	DM (51°) 3606	20 4	51 59	243.1	2.0	9.1... 9.2	1901	Es	(A. N. 3784) (See p. 1086)
12365	H 1877	....	20 6	41 52	58.5	....	12 ...13	1828+	H	
12366	See 485	Lac. 9478	20 16	-22 24	130.9	5.60	6 ...12.3	1897.73	See 1	
12367	A 790	A. G. Bonn 17769	20 17	44 24	296.6	3.20	8.5...13.5	1904.45	A 2	
12368	Hu 297	SD (16°) 6291	20 41	-15 54	312.3	0.35	7.0... 9.0	1900.74	Hu 2	(A. J. 494)
12369	S 830	κ Piscium	20 46	0 36	344.9	150.09	5 ...12	1824.82	S 2	
12370	H 3194	....	21 5	-18 45	66.2	15±	11 ...11+	1830+	H	
12371	Weisse 40	W ¹ XXIII ^b . 392	21 5	0 28	....	....	8 ...	....	....
12372	β 386	B. A. C. 8173	21 13	70 1	312.3	20.08	6.5...11.9	1876.97	Δ 4	
12373	H 986	DM (34°) 4928	21 16	34 40	280±	7±	10 ...12	1820+	H	
12374	H 1878	....	21 20	49 46	90.0	6±	11 = 11	1828+	H	"Very neat"
12375	H 1879	....	21 20	55 44	65±	15±	10 ...13	1828+	H	"Est. from diagram"
12376	H 1880	....	21 21	55 13	182.8	10±	10 ...12	1828+	H	
12377	O. Stone 59	L 45914	21 23	-27 20	215.9	1.58	8.2... 8.9	1877.78	Cin 2	
12378	Σ 3012	DM (15°) 4827	21 34	15 58	190.8	2.63	8.7... 8.8	1831.03	Σ 5	A and B }
12379	Σ 3013	DM (15°) 4826	....	....	270.0	2.58	7.8... 9.3	1831.03	Σ 5	A ¹ and B ¹ }
					246.1	52.01	....	1831.33	Σ 4	A ¹ and A }
12380	H 1881	DM (55°) 2961	21 35	55 44	60±	5±	10 ...14	1820+	H	"Est. from diagram"
12381	Σ 3014	DM (10°) 4938	21 52	10 29	281.3	7.24	8.1...10.4	1830.86	Σ 5	8.1 wh.
12382	H 1883	....	21 55	45 44	154.6	15±	9 ... 9+	1828+	H	
12383	H 1882	DM (38°) 5008	21 57	38 45	306.0	10±	9-10...14	1828+	H	
12384	O Σ (App) 246	W ¹ XXIII ^b . 435	21 58	22 55	112.3	89.43	7.3... 8.2	1875.43	Δ 3	
12385	β 1148	Groom. 4070	22 2	64 58	73.9	2.13	7.1...13.0	1889.60	β 3	
12386	Σ 3015	W ¹ XXIII ^b . 442	22 10	32 54	191.1	2.97	8.7... 8.8	1832.12	Σ 3	White
12387	η V. 48	DM (5°) 5175, 5174	22 10	5 25	....	45±	....	1781.77	η	
12388	β 1221	DM (41°) 4788	22 12	41 46	145.2	1.91	9.3...10.5	1890.50	β 3	
12389	H 1884	DM (49°) 4129	22 15	49 31	251.3	12±	9-10...10	1828+	H	8.8m. in DM
12390	β 1222	DM (2°) 4669	22 23	2 54	37.4	1.14	8.9... 9.0	1890.82	β 3	
12391	Σ 3016	SD (7°) 6024	22 47	- 7 18	320.1	20.42	8.5... 9.5	1829.91	Σ 3	
12392	Σ 3017	Cephei 287	22 54	73 27	35.4	2.43	7.1... 8.2	1832.16	Σ 5	White
12393	H 311	....	22 57:	16 40:	315±	10±	....	1820+	H	
12394	H 3195	....	23 4	0 9	94.4	18±	10 ...11	1830+	H	
12395	A 109	DM (42°) 4685	23 18	42 44	313.8	0.70	9.3... 9.8	1900.55	A 3	(A. N. 3668)
12396	A 420	A. G. Camb. 14122	23 23 29	25 37	284.5	0.45	9.2... 9.2	1902.89	A 2	(Bul. L. O. No. 29)

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
12397	Hu 599	O. Arg. B. 22868	23 ^h 23 ^m 37 ^s	-21° 14'	85° 4	0'.40	8.5... 8.8	1901.44	Hu 3	A and B } AB and C }
12398	H 987	DM (31°) 4921	23 44	31 34	275±	16±	9 ... 10	1830+	H	
12399	Ho 621	L 46002	23 45	37 59	1.1	25.63	7.8... 12	1894.82	Ho 2	(A. N. 3558)
12400	H 3197	SD (18°) 6319	23 51	-17 57	314.0	5±	10 ... 10+	1830+	H	
12401	H 1885	O. Arg. N. 25643	23 51	51 1	220±	....	8-9... 12... 13	1828+	H	"Three in a straight line"
12402	β 1149	DM (57°) 2746	24 11	57 49	309.1	0.52	9.4... 9.8	1889.58	β 3	
12403	Ho 200	Red ¹ . 6099	24 19	85 45	137.7	1.73	6.5... 12	1885.83	Ho 2	
12404	β 1266	DM (30°) 4963	24 29	30 10	74.0	0.24	7.4... 7.4	1891.69	β 3	A and B } AB and C } 7-2 wd. AC= 2 3028
12405	OZ 496	P XXIII ^b . 100	24 29	57 53	204.0	18.92	7.2... 9.5	1830.52	Σ 2	
					344.6	1.37	6.5... 10.9	1881.16	β 4	A and B }
					223.1	1.44	8.2... 9.8	1881.16	β 6	C and D }
					269.0	75.78	....	1881.23	β 5	A and C }
					114.7	43.53	... 10.5	1880.65	β 3	A and E }
					338.5	66.91	... 10.5	1880.65	β 3	A and F }
					74.4	10.85	... 10.5	1880.64	β 3	F and G }
					337.1	26.87	... 11.6	1880.65	β 3	C and H }
12406	Σ 3019	W ¹ XXIII ^b . 461	24 34	4 35	185.3	10.68	7.1... 8.1	1832.04	Σ 5	White
12407	β 1150	O. Arg. N. 25672	24 46	64 24	44.0	0.61	8.7... 9.0	1889.60	β 3	
12408	OZ 497	L 46042	24 50	8 49	213.1	1.28	7.9... 8.6	1849.09	OZ 4	
12409	Σ 3020	W ¹ XXIII ^b . 507	25 4	18 7	111.0	1.73	7.7... 9.7	1831.89	Σ 3	7-7 wd.
12410	β 1151	....	25 6	57 43	293.7	0.64	9.7... 9.7	1889.59	β 3	
12411	Σ 3022	DM (57°) 2752	25 9	57 45	226.7	20.49	8.0... 9.7	1832.15	Σ 2	A and B } A and C } 8-0 yel.
					189.7	116.88	... 9.5	1889.58	β 3	
12412	β 774	DM (63°) 2006	25 19	63 40	6.7	0.51	8.4... 8.8	1880.58	β 3	
12413	Σ 3021	W ¹ XXIII ^b . 481	25 21	15 33	308.9	8.31	7.7... 8.9	1830.52	Σ 4	Wh.: ash
12414	H 3198	....	25 33	9 41	98.0	5±	11 ... 12	1830+	H	
12415	OZ 498 <i>ref.</i>	DM (51°) 3630	25 38	51 45	243.7	17.04	7.2... 10.0	1866.97	Δ 3	
12416	H 1890	....	25 52	69 15	227.8	6±	11 ... 12	1828+	H	
12417	H 3199	Cond. DM (27°) 16346	25 53	-27 23	204.9	35±	8 ... 10	1830+	H	
12418	H 1889	DM (37°) 4861	26 4	37 39	238.2	20±	7-8... 15	1828+	H	A and B } A and C }
					58.2	25±	... 15	1828+	H	
12419	Hu 298	DM (6°) 6158	26 6	6 25	94.6	0.17	6.8... 7.4	1900.76	Hu 3	(A. J. 494)
12420	Σ 3024	DM (43°) 4482	26 13	43 10	311.6	4.87	8.2... 9.0	1830.46	Σ 3	White
12421	Espin 109	DM (53°) 3182	26 16	53 21	47.3	5.6	8.6... 10.7	1901	Es	(A. N. 3784)
12422	H 312	....	26 16:	11 49:	90±	10±	10 ... 11	1820+	H	"The degree of decl. perhaps mistaken"
12423	Σ 3023	DM (16°) 4944	26 21	16 45	281.9	1.91	7.0... 9.7	1831.08	Σ 4	7-0 yelish wd.
12424	A 421	SD (8°) 6130	26 34	- 8 41	107.5	1.02	9.2... 9.4	1902.64	A 3	(Bul. L. O. No. 29)
12425	Wn 6	W ¹ XXIII ^b . 544	26 35	30 47	168.5	1.51	8.5... 10.0	1863.85	Wn 2	
12426	Hu 299	SD (20°) 6612	26 42	-20 22	75.9	0.52	8.8... 8.9	1900.79	Hu 2	(A. J. 494)
12427	A. G. 293	DM (56°) 3022	27 6	56 51	21.2	3.91	9.2... 9.3	1900.93	Es 3	Espin (3777)
12428	A 641	Red ¹ . 6111	27 37	56 45	79.9	9.50	7.2... 8.8	1847.50	OZ 3	A and BC } B and C } AB=
					146.6	0.42	9.0... 10.8	1903.54	A 3	OZ 498
12429	H 313	....	27 40:	11 37	275±	12±	10 ... 11	1820+	H	H (V) 477° 3: 14' ±
12430	H 3200	....	27 41	-20 14	139.8	12±	11 ... 12	1830+	H	
12431	Espin 110	DM (48°) 4092	27 46	48 39	34.0	4.8	9.0... 11.0	1901	Es	A and B } A and C }
					333.0	16.2	... 10.5	1901	Es	
12432	β 720	72 Pegasi	28 0	30 40	127.7	0.40	6.0... 6.0	1878.74	β 3	
12433	A 791	DM (44°) 4442	28 1	44 28	352.4	1.01	9.5... 9.6	1904.45	A 2	
12434	Σ 60, App. I	DM (59°) 2746	28 1	59 47	210.6	247.15	6.4... 6.5	1835.86	Σ 6	Vel.
12435	β 387	L 46162	28 8	-10 22	71.6	5.73	8.7... 10.2	1876.67	Δ 3	
12436	H 3204	DM (80°) 773	28 24	80 25	103.0	17±	9-10... 14	1830+	H	"Also a third."
12437	A 422	A. G. Camb. 14159	28 28	26 3	301.8	4.34	8.6... 13.6	1902.77	A 2	8.5 m. in DM (Bul. L. O. No. 29)
12438	Kr 65	DM (58°) 2613	28 28	59 7	95.2	6.73	9.5... 9.7	1890.76	β 1	
12439	H 3404	Cond. DM (30°) 19607	28 36	-30 1	304.7	15±	10½ = 10½	1834.7	H	
12440	H 3201	SD (22°) 6151	28 45	-22 26	342.2	20±	10 ... 12	1830+	H	
12441	β 388	W ¹ XXIII ^b . 590	23 28 52	37 22	334.7	21.77	6.5... 12.0	1876.46	Δ 1	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
12442	H 3202	L 46184	23 ^h 28 ^m 56 ^s	-19° 14'	250° 7	4" ±	9 ... 10	1830+	H	
12443	β 81	W ¹ XXIII ^b . 562	28 59	-12 14	10.5	1.53	8.3... 9.8	1876.08	Δ 3	
12444	H 3203	DM (10°) 4957	29 4	10 53	206.4	5 ±	10 ... 10-11	1830+	H	
12445	H 1893	....	29 11	46 20	251.7	5 ±	9-10... 10	1828+	H	
12446	H 314	....	29 16:	12 29:	....	....	....	1820+	H	"Double: no particulars"
12447	See 492	Lac. 9527	29 20	-28 9	265.1	0.38	6.2... 8.1	1897.79	See 1	
12448	H 3205	SD (14°) 6497	29 36	-14 27	55.0	15 ±	10 ... 10	1830+	H	
12449	Σ 3025 <i>ref.</i>	DM (2°) 4685	29 45	2 34	56.7	21.80	8.7... 11.0	1904.53	β 2	
12450	β 721	W ¹ XXIII ^b . 592	30 7	-7 47	138.2	0.51	9.0... 9.0	1878.22	β 1	
12451	H 1894	DM (50°) 4091	30 7	50 52	20.5	20 ±	9-10 = 9-10	1828+	H	"In a group of 6 or 8"
12452	Hd 177	....	30 9:	-22 7:	40 ±	9 ±	8.5... 9	1868.84	Hd 1	
12453	Σ 3026	DM (28°) 4605	30 19	28 14	275.9	3.21	8.8... 9.3	1831.17	Σ 3	
12454	Σ 3027 <i>ref.</i>	DM (80°) 723	30 24	82 23	9.6	22 ±	9-10... 11	1830+	H	From H (V)
12455	Hu 791	DM (48°) 4107	30 27	49 4	127.5	2.83	8.5... 8.5	1904.40	Hu 1	
12456	β 775	Lac. 9534	30 45	-32 32	251.0	5.35	7.2... 10.5	1881.45	β 4	(= β 1022)
12457	H 3206	O. Arg. S. 22939	30 46	-22 20	352.9	2 ±	9 ... 10	1830+	H	
12458	Hu 498	DM (22°) 4874	30 47	23 6	4.9	0.41	9.2... 11.0	1901.76	Hu 3	(Bul. L. O. No. 21)
12459	Hn 58	O. Arg. N. 25809	30 53	53 17	1.0	3.70	8.6... 10.8	1881.55	β 3	
12460	H 988	....	30 54	19 36	240 ±	3 ±	10 ... 11	1820+	H	
12461	Muller 2	SD (12°) 6527	31 9	-12 13	299.4	3.16	8.8... 10.3	1886.69	LM 3	
12462	Ho 201	DM (33°) 4744	31 12	33 59	341.5	3.59	8.0... 9.3	1883.31	Ho 2	
12463	H 3207	....	31 15	7 13	251.8	3 ±	13 ... 14	1830+	H	
12464	H 1895	....	31 21	55 54	108.3	3 ±	11 = 11	1828+	H	"Neat"
12465	H 316	Aquarii 355	31 27	-13 44	90 ±	60 ±	7 ... 11	1820+	H	White: blue
12466	H 315	DM (11°) 5033	31 28	11 56	67.5	15 ±	9-10... 10	1830+	H	Measures from H (V)
12467	H 3208	DM (8°) 5094	31 35	8 50	157.8	10 ±	10 = 10	1830+	H	"Neat"
12468	OΣ 500	B. A. C. 8223	31 40	43 46	299.4	0.45	6.1... 7.0	1845.24	OΣ 2	Wh.: blue
12469	See 493	Cord. G. C. 31963	31 52	-25 53	206.4	36.46	7 ...	1897.75	See 1	A and BC }
					262.8	1.75	11 ... 11	1897.75	See 1	B and C }
12470	H VI. 45	....	32 :	42 36:	....	90 ±	....	1781.55	H	
12471	Σ 3029	DM (70°) 1328	32 5	71 2	317.7	4.64	8.5... 9.5	1833.23	Σ 3	White
12472	H 317	W ¹ XXIII ^b . 630	32 10	12 13	220 ±	10 ±	9 ... 12	1820+	H	A and B }
					275 ±	15-20	... 13	1820+	H	B and C }
12473	A 642	A. G. Hels. 14210	32 13	57 26	40.4	0.81	8.4... 10.3	1903.71	A 3	H (IV) 230° 9: 12' ±: 8-9... 11 (Bul. L. O. No. 50)
12474	Hu 792	DM (32°) 4677	32 16	32 10	188.8	0.31	9.0... 9.3	1904.47	Hu 2	
12475	β 855	DM (67°) 1546	32 23	67 33	204.2	0.82	8.5... 8.8	1881.53	β 4	
12476	Ho 202	W ¹ XXIII ^b . 673	32 29	39 49	135.3	2.57	8.3... 11.8	1883.66	Ho 5	
12477	β 722	DM (41°) 4886	32 33	41 51	348.6	7.45	6.8... 12.5	1878.53	β 1	
12478	H 989	....	32 34	32 46	275 ±	12 ±	....	1820+	H	Very small stars 11-12 m. (1876) 7.0 wh.
12479	Σ 3028	DM (34°) 4972	32 37	34 22	205.4	19.50	7.0 ... 9.5	1829.91	Σ 2	
12480	Espin 111	DM (51°) 3677	32 40	52 1	11.2	3.6	8.8... 11.2	1901	Es	(A. N. 3784) (See p. 1086)
12481	H 5411	SD (2°) 6005	32 46	-2 46	32.7	15 ±	9½... 10	1836.7	H	
12482	H 5410	Cord. DM (24°) 17785	32 48	-24 23	70 ±	8 ±	10 ... 12	1836.7	H	"The/and less of two"
12483	Δ 26	DM (43°) 4516	32 56	43 45	73.8	2.03	9.2... 10.5	1872.67	Δ 2	
12484	β 856	O. Arg. N. 25859	33 3	69 58	266.0	0.58	8.1... 9.1	1881.55	β 2	
12485	H 1896	O. Arg. N. 25861	33 11	61 28	115.2	18 ±	6 ... 12	1828+	H	
12486	Ho 203	DM (34°) 4976	33 11	34 55	128.4	3.53	9.0... 10.0	1881.80	Ho 3	
12487	Comstock	DM (43°) 4518	33 18	43 15	132.4	3.84	8.8... 10.8	1887.76	Com 3	
12488	A 643	A. G. Bonn 18013	33 29	45 3	264.4	0.21	7.9... 8.0	1903.93	A 3	(Bul. L. O. No. 50)
12489	H 990	SD (5°) 6029	33 32	-5 19	290 ±	22 ±	8-9... 10	1820+	H	
12490	....	SD (5°) 6030, 6031	33 37	-5 0	68.0	41.06	8.5... 10.0	1879.63	Cin 1	
12491	H 1897	DM (66°) 1629	34 1	66 18	203.5	20 ±	10 ... 10-11	1828+	H	
12492	OΣ 501	L 46366	34 6	36 59	164.1	14.50	6.8... 10.2	1847.77	OΣ 3	
12493	Ho 302	W ¹ XXIII ^b . 720	34 13	19 5	76.1	8.28	8.5... 12.0	1887.37	Ho 2	B and C }
					29 ±	60 ±	8.0...	1886.90	Ho	A and B }
12494	OΣ 502	Rad ¹ . 6147	34 15	63 4	221.2	3.46	7.0... 10.7	1848.24	OΣ 3	
12495	Espin 149	DM (63°) 2030	23 34 18	63 39	120.9	6.0	8.5... 8.7	1902	Es 2	(M. N. LXIII, 172)

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
12496	Hu 794	DM (49°) 4185	23 ^h 34 ^m 22 ^s	49° 13'	68° 3	2.90	9.0...13.0	1904.40	Hu 1	
12497	H 1898	κ Andromedae	34 30	43 40	188.7	46.64	4 ...11.0	1879.24	β 3	A and B }
					294.6	103.17	...11.0	1879.46	β 1	A and C }
12498	β 723	L 46375	34 32	- 0 15	168.5	3.78	7.0...11.3	1878.25	β 4	
12499	Hu 793	DM (77°) 914	34 32	77 12	....	1.5±	9.0...11.0	1904	Hu	
12500	Σ 3030	DM (-1°) 4473	34 33	- 1 3	220.8	2.49	8.4... 8.6	1829.61	Σ 4	White
12501	Ho 303	W ⁺ XXIII ^b . 737	34 45	19 42	184.3	0.92	8.0...11.0	1888.87	Ho 2	
12502	β 724	W ⁺ XXIII ^b . 691	34 46	7 19	85.7	0.75	9.0... 9.5	1878.73	β 1	
12503	H 1899	DM (54°) 3024	34 49	54 33	261.4	12±	9 ...11	1828+	H	
12504	Hu 795	DM (32°) 4686	34 57	32 59	230.2	2.68	9.0...12.0	1904.47	Hu 2	
12505	β 857	DM (66°) 1630	34 58	66 53	296.9	1.39	8.5... 8.9	1881.53	β 4	
12506	Σ 3031	DM (5°) 5209	35 3	5 36	312.9	14.61	7.5... 8.5	1831.42	Σ 2	Wk.
12507	Weisse 41	W ⁺ XXIII ^b . 696	35 7	- 5 5	....	....	....	....	....
12508	A 423	SD (9°) 6232	35 12	- 9 17	166.5	1.76	8.9...10.5	1902.65	A 3	(Bul. L. O. No. 29)
12509	Σ 3032 rej.	L 46416	35 16	14 7	339.5	15±	9 ...12	1828+	H	
12510	β 858	L 46423	35 18	31 54	276.6	0.48	7.7... 8.2	1881.57	β 3	A and B }
					51.0	23.66	...12.8	1881.62	β 3	AB and C }
12511	H 5413	104 Aquarii	35 32	-18 29	....	Cl. V	5½... 7	1834+	H	
12512	H 991	DM (21°) 4973	35 37	21 47	345±	14±	9 ...10	1820+	H	
12513	H 1901	....	35 40	54 33	260.0	15±	10 ...11	1828+	H	
12514	H 992	....	35 43	31 7	260±	4±	10-11...11-12	1820+	H	
12515	Hd Zones	DM (0°) 5035	35 50	0 41	if	30±	9 ...14	....	Hd	
12516	A 644	A. G. Bonn 18054	35 51	45 11	137.1	1.15	8.5...11.3	1903.93	A 3	(Bul. L. O. No. 30)
12517	OZ 503	W ⁺ XXIII ^b . 759	35 59	19 38	132.6	1.79	7.2... 7.8	1848.26	OZ 5	
12518	H 1905	....	36 19	73 29	168.4	12±	10-11...12	1828+	H	A and B }
					157±	10±	...12	1828+	H	B and C }
12519	H 1902	DM (58°) 2633	36 22	59 5	294.5	10±	10 ...10	1828+	H	
12520	OZ 504	B. A. C. 8427	36 27	18 0	174.9	7.69	7.2...10.0	1849.98	OZ 5	
12521	H 1903	DM (49°) 4195, 4194	36 29	49 17	249.5	7±	9-10...10	1828+	H	
12522	H 1904	....	36 29	59 6	111.0	9±	10 ...11	1828+	H	
12523	β 279	ω Aquarii	36 30	-15 12	87.8	5.68	5.0...11.0	1875.54	Δ 4	
12524	β 725	L 46464	36 36	-12 0	237.3	4.30	7.0...11.0	1877.82	β 2	
12525	β 993	Cephei 301	36 42	63 51	279.7	2.67	7.0...11.4	1880.75	β 4	
12526	H 3209	Cord. DM (29°) 18816	37 8	-29 53	268.5	8±	9-10...10	1830+	H	"Among several large stars"
12527	H 3210	SD (22°) 6179	37 9	-22 22	44.5	45±	8 ...10	1830+	H	
12528	Hu 697	DM (51°) 3693	37 13	51 35	122.0	0.46	9.5... 9.5	1903.46	Hu 2	(Bul. L. O. No. 37)
12529	β 994	L 46490	37 31	24 26	306.5	1.38	7.9...11.0	1880.63	β 4	
12530	H 1906	DM (61°) 2506	37 32	61 54	353.5	12±	10 ...11	1828+	H	
12531	Σ 3033	DM (6°) 5194	37 49	6 35	9.9	3.33	8.5... 8.5	1832.13	Σ 4	Very wk.
12532	A. G. Clark 14	78 Pegasi	37 57	28 42	192.0	1.45	5.0... 8.1	1876.59	Δ 4	
12533	Hu 796	DM (79°) 792	37 58	79 51	....	0.7±	9.5... 9.5	1904	Hu	
12534	A. G. 294	A. G. Chris. 3850	38 14	68 24	123.1	17.26	8.6... 9.0	1891.62	β 2	
12535	H 5417	L 46511	38 15	-26 55	326.9	8±	6½... 9½	1836.7	H	
12536	Espin 150	DM (64°) 1848	38 24	64 23	210.0	3.1	9.3...11.0	1902	Ea 1	(M. N. LXIII, 170)
12537	Σ 3034	P XXIII ^b . 171	38 36	45 43	103.8	5.35	7.8...10.0	1831.85	Σ 3	7.8 wk.
12538	H 3211	DM (2°) 4706	38 50	3 6	92.5	20±	9 = 9	1830+	H	
12539	Σ 3035 rej.	W ⁺ XXIII ^b . 769	39 5	7 34	310.8	30±	9 ...11	1830+	H	From H (V)
12540	β 1223	DM (4°) 5046	39 10	4 27	298.6	1.33	8.1...10.8	1890.82	β 3	
12541	Hu 300	DM (5°) 5219	39 23	5 49	123.3	1.11	8.7 ...9.0	1900.77	Hu 3	(A. J. 494)
12542	OZ 505	DM (19°) 5147	39 25	19 45	61.3	2.17	6.8...10.0	1849.58	OZ 4	6.8 wk.
12543	Sh 356	107 Aquarii	39 47	-19 21	143.5	5.06	7 ... 8	1823.79	Sh 2	
12544	Σ 3036	P XXIII ^b . 179	39 52	- 0 24	228.2	2.42	7.8...10.8	1832.50	Σ 3	7.8 wk.
12545	A 312	SD (4°) 5948	39 58	- 4 5	241.5	1.71	8.9...14.0	1901.86	A 3	
12546	H 3212	DM (73°) 1059	40 5	73 25	29.3	18±	9-10...13	1830+	H	
12547	OZ (App) 248	L 46577	40 7	50 0	138.3	52.84	7.2... 9.3	1876.35	Δ 3	
12548	Σ 3037	DM (59°) 2769	23 40 18	59 48	214.0	2.70	7.0... 8.5	1832.16	Σ 4	A and B }
					184.4	28.91	... 8.9	1832.17	4	A and C } AB very wk. & blue

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
12549	β 726	SD (13°) 6461	23 ^h 40 ^m 24 ^s	-13° 25'	324.2	0.91	8.5...10.5	1877.86	β 1	
12550	Σ 3098	DM (61°) 2520	40 24	62 0	275.0	4.36	9.0... 9.5	1833.83	Σ 3	White
12551	Egbert 8	DM (16°) 4980	40 26	16 25	89.0	1.37	8.5... 9.0	1879.66	Cin 2	
12552	Σ 3039	DM (27°) 4619	40 49	27 45	36.4	30.33	7.3... 9.7	1830.93	Σ 3	7.3 very <i>yel.</i>
12553	H 3213	....	40 53	-17 24	69.5	....	11-12...12	1830+	H	"Triple." C 14 m.
12554	H 3214	....	40 53	-10 1	275.0	6 \pm	10 ...11	1830+	H	"Very neat"
12555	Barnard 19	W ² XXIII ^h . 803	40 53	4 35	166.2	0.54	8.6... 8.6	1889.57	β 3	
12556	H 3215	....	40 57	-17 27	263.7	12 \pm	11 ...12	1830+	H	
12557	H 1908	DM (34°) 5007	41 2	34 58	78.9	12 \pm	10 ...10	1820+	H	
12558	A. G. 295	A. G. Chris. 3861	41 24	68 23	105.8	14.30	9.4... 9.5	1891.62	β 2	
12559	β 727	W ² XXIII ^h . 866	41 26	24 55	313.4	17.47	7.0...12.5	1878.69	β 2	
12560	Δ 27	DM (62°) 2296	41 32	62 33	358.6	1.61	8.2...10.8	1877.29	Δ 3	A and B }
					143.6	10.33	...10.7	1877.29	Δ 3	A and C }
12561	β 390	L 46617	41 33	48 38	233.9	18.02	8.3...11.8	1880.74	β 1	
12562	β 995	Groom. 4139	41 35	46 10	245.4	0.88	6.5... 8.5	1880.01	β 2	
12563	Σ 3041	W ² XXIII ^h . 824	41 45	16 25	347.6	71.09	7.3... 8.2	1832.19	Σ 5	A and BC }
					183.4	3.27	... 8.1	1832.19	Σ 5	C and B }
12564	S 835	20 <i>Piscium</i>	41 46	-3 26	287.2	170.92	6 ...12	1824.83	S 2	12 <i>blue</i>
12565	Hd 178	....	42 :	-15 37:	....	18 \pm	9 ...12	1868	Hd	
12566	Hd 179	....	42 :	-22 8:	....	9 \pm	8.5... 9	1868	Hd	"Suspected"
12567	Σ 3040	W ² XXIII ^h . 828	42 0	9 29	217.0	4.38	9.0... 9.0	1830.12	Σ 3	
12568	Hu 96	SD (11°) 6141	42 4	-10 57	104.0	1.10	9.2...10.2	1899.77	Hu 3	(A. J. 480)
12569	β 1152	Groom. 4142	42 18	63 9	102.4	0.64	9.2... 9.2	1889.60	β 3	B and C }
					136.3	74.28	7.5...	1889.60	β 3	A and BC }
12570	O Σ 506 <i>rej.</i>	L 46645	42 34	35 37	79.7	17.92	7.0...10.4	1868.59	Δ 4	7.0 <i>yel.</i>
12571	β 1013	δ <i>Sculptoris</i>	42 40	-28 48	228.2	3.36	5.0...13	1881.86	β 2	A and B }
					296.6	74.31	... 8.9	1881.88	β 3	A and C }
12572	H 1909	....	42 45	13 9	119.1	3 \pm	12 ...13	1828+	H	
12573	O Σ 507	B. A. C. 8277	42 51	64 13	224.4	0.56	6.8... 7.5	1847.01	O Σ 2	A and B }
					353.9	48.83	... 7.8	1847.01	O Σ 2	AB and C }
12574	H 3217	....	42 53	70 39	271.0	10 \pm	10 ...13	1830+	H	
12575	O Σ 508	6 <i>Cassiopeiae</i>	43 0	61 33	196.2	1.65	5.7... 8.2	1854.15	O Σ 5	5.7 very <i>yel.</i>
12576	Hu 797	DM (81°) 832	43 1	82 7	132.9	0.78	8.8... 9.0	1904.48	Hu 1	
12577	Weisse 42	W ² XXIII ^h . 896	43 15	24 41	....	....	8-9...	....	....
12578	A 645	A. G. Hols. 14414	43 22	57 58	86.3	0.64	9.2...10.0	1903.54	A 3	(<i>Bul. L. O.</i> No. 50)
12579	H 1910	....	43 27	55 8	252.5	10 \pm	10 ...11	1828+	H	
12580	H 3218	....	43 34	-22 40	93.0	4 \pm	10 ...11	1830+	H	"Neat"
12581	H 5423	L 46671	43 37	-26 0	313.8	15 \pm	6½...15	1836.7	H	
12582	Weisse 43	W ² XXIII ^h . 865	43 40	16 12	....	....	9 ...	....	....
12583	A 424	A. G. Camb. 14307	43 46	27 1	229.9	0.20	7.3... 7.8	1902.86	A 3	(<i>Bul. L. O.</i> No. 29)
12584	Hu 698	SD (18°) 6378	44 0	-18 3	316.7	0.91	8.6... 9.0	1901.31	Hu 2	(<i>Bul. L. O.</i> No. 57)
12585	H 993	....	44 21	0 13	350 \pm	6 \pm	10 ...15	1820+	H	"Double" in Hd Zones
12586	Hu 499	SD (15°) 6508	44 29	-15 9	144.3	0.57	9.5... 9.5	1901.87	Hu 2	(<i>Bul. L. O.</i> No. 21)
12587	O Σ 509	L 46703	44 30	42 45	108.2	5.44	7.6... 9.5	1854.76	O Σ 4	7.6 <i>blue</i>
12588	A 792	A. G. Bonn 18197	44 32	46 23	247.1	0.34	8.5... 8.5	1904.48	A 1	
12589	A 793	A. G. Bonn 18200	44 37	46 25	303.8	0.17	8.5... 8.5	1904.54	A 2	
12590	A 794	A. G. Bonn 18204	44 52	46 50	15.5	0.68	10.0...11.0	1904.48	A 1	B and C }
					263.8	232.2	8.5...	1904.48	A 1	A and BC }
12591	H 3219	L 46714	45 0	-19 43	347.4	12 \pm	9 ...10	1830+	H	
12592	H 3221	DM (70°) 1336	45 5	70 45	193.3	16 \pm	9 ...12	1830+	H	
12593	H 3220	DM (1°) 4787	45 15	1 45	24.0	20 \pm	9-10=9-10	1830+	H	
12594	A 795	A. G. Bonn 18210	45 15	48 7	313.9	1.06	9.0...10.0	1904.48	A 1	
12595	A 796	A. G. Bonn 18213	45 27	47 5	30.2	0.49	7.5...10.0	1904.48	A 1	
12596	O Σ 510	Rad ² . 6201	45 31	41 25	347.8	0.40	7-5... 7.8	1848.43	O Σ 3	A and B }
					344.0	20.78	... 9.0	1847.91	O Σ 1	AB and C } (= β 1038)
12597	Hu 699	DM (50°) 4171	45 32	50 51	110.5	1.02	8.4...13.0	1902.54	Hu 2	(<i>Bul. L. O.</i> No. 57)
12598	H 1912	....	23 45 35	57 36	219.1	7 \pm	10 ...12	1828+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
12599	See 497	O. Arg. S. 23090	23 ^h 45 ^m 41 ^s	-29° 0'	69° 8	5.18	8 ... 13.6	1896.83	See 3	
12600	H 319	DM (10°) 5003	45 42	10 37	280±	12±	9 ... 11	1820+	H	
12601	Σ 3042	Andromedae 28	45 51	37 14	89.3	4.23	7.0... 7.0	1832.25	Σ 6	Very wh.
12602	Hu 97	SD (11°) 6150	45 53	-11 14	39.1	1.07	9.0... 9.8	1899.77	Hu 3	(A. J. 480)
12603	H 3222	DM (83°) 665	46 :	83 49	253.4	....	9-10... 10-11	1830+	H	"Dil. R. A. = 1685"
12604	H 1913	DM (35°) 5123	46 1	36 3	319.0	15±	10 ... 10+	1828+	H	A and B }
					340.2	13±	... 15	1828+	H	B and C }
12605	β 728	L 46752	46 7	42 50	172.6	1.14	8.3... 8.3	1878.23	β 2	
12606	Ho 204	W ^o XXIII ^b . 947	46 9	27 55	354.8	5.82	8.0... 10.2	1882.89	Ho 2	
12607	See 498	Cord. G. C. 32219	46 13	-29 2	177.6	3.91	9.3... 13.5	1896.84	See 1	
12608	β 996	P XXIII ^b . 218	46 34	74 53	64.7	5.52	6.8... 11.7	1880.64	β 4	
12609	β 859	W ^o XXIII ^b . 961	46 35	22 18	217.3	0.63	8.5... 8.5	1881.67	β 3	
12610	Σ 3043	W ^o XXIII ^b . 963	46 45	38 1	250.0	15.52	8.4... 9.2	1831.07	Σ 5	White
12611	β 1153	....	46 45	60 2	318.5	0.43	9.7... 9.9	1889.68	β 4	A and B }
					339.5	13.72	... 10.1	1889.68	β 3	AB and C }
12612	H 1914	....	46 47	55 8	264.5	2±	13 = 13	1828+	H	"Delicate"
12613	Σ 3044	P XXIII ^b . 216	46 51	11 16	282.1	18.58	6.9... 7.3	1830.97	Σ 5	Very wh.
12614	H.C. Wilson 29	....	47 :	-22 7:	192.9	46.03	7.7... 9.0	1885.31	W 2	From Wilson (Cin ²⁰)
12615	OΣ 511	Rad ⁱ . 6206	47 8	60 2	33.6	10.30	6.8... 11.0	1848.24	OΣ 3	6.8 golden
12616	H 1915	....	47 22	13 32	274.0	3±	14 ... 15	1828+	H	"An insignificant object"
12617	H 1916	DM (48°) 4185	47 28	48 57	35.3	16±	10 = 10	1828+	H	
12618	OΣ (App) 251	P XXIII ^b . 223	47 31	50 51	197.1	42.39	6.3... 9.0	1875.48	Δ 3	
12619	H 5429	Lac. 9636	47 31	-30 3	221.3	25±	7½... 10	1834.7	H	Yellow: blue
12620	H 3223	SD (2°) 6056	47 32	-2 19	1.0	40±	8-9... 9	1830+	H	
12621	Ho 205	L 46836	47 58	38 37	179.7	4.56	6.5... 12.5	1885.77	Ho 2	
12622	H 3224	....	48 1	70 15	355.5	4±	10-11... 13	1830+	H	
12623	....	B. A. C. 8308	48 9	-27 43	267.5	6.85	6+... 7	1835.16	H 2	
12624	Sh 358	L 46844	48 13	31 14	329.2	41.29	8 ... 11	1822.89	Sh 1	
12625	Σ 3045	DM (1°) 4799	48 17	1 48	262.4	1.55	7.8... 9.8	1832.49	Σ 3	7.8 yel' sh
12626	H 3225	O. Arg. S. 23120	48 28	-23 42	347.0	20±	8-9... 9-10	1830+	H	
12627	H 1917	DM (44°) 4519	48 43	45 6	88.4	7±	10 ... 12	1828+	H	
12628	OΣ (App) 252	W ^o XXIII ^b . 996	48 50	28 48	143.2	111.78	6.3... 7.3	1875.43	Δ 3	
12629	H 3226	Rad ⁱ . 6215	49 0	73 45	5.4	25±	7-8... 13	1830+	H	7.0 m. in DM
12630	A 798	A. G. Chris. 3892	49 12	70 5	23.8	0.47	8.6... 10.5	1904.52	A 1	
12631	β 729	O. Arg. S. 23124	49 14	-18 30	346.4	11.42	8.0... 12.0	1877.70	β 1	
12632	A 797	A. G. Bonn 18266	49 19	46 31	36.6	4.37	8.5... 15.0	1904.50	A 1	
12633	H 1918	....	49 30	57 11	47.6	4±	11 ... 12-13	1828+	H	
12634	H 5433	....	49 31	-18 25	....	Cl. III	10 ... 10	1834+	H	"A star 7 m. precedes"
12635	A. G. 296	A. G. Lund 11379	49 37	37 50	54.5	5.43	9.1... 9.2	1902.53	β 2	
12636	A 425	A. G. Camb. 14355	49 56	27 35	162.8	1.54	9.3... 9.8	1902.81	A 3	(Bul. L. O. No. 29)
12637	Hu 500	DM (22°) 4930	49 58	22 47	88.7	0.13	8.5... 8.5	1901.82	Hu 3	(Bul. L. O. No. 21)
12638	A 426	A. G. Berlin B 9147	50 4	24 40	273.9	0.24	8.9... 9.0	1902.86	A 3	(Bul. L. O. No. 29)
12639	Σ 3046	L 46916	50 15	-10 10	232.2	2.52	8.0... 8.5	1830.15	Σ 4	Yel' sh wh.
12640	H 994	DM (-1°) 4505	50 17	-1 15	260±	6±	10 ... 11	1820+	H	H (V) 257° ± 10' ±
12641	H 3227	SD (15°) 6523	50 22	-15 25	279.8	14±	10 ... 11	1830+	H	
12642	H 1919	DM (48°) 4195	50 37	48 50	61.4	8±	10 ... 13	1828+	H	
12643	Weisse 44	W ^o XXIII ^b . 1008	50 40	-1 11	....	....	9 ...	....	....
12644	H 1920	DM (48°) 4196	50 51	48 50	258.5	16±	9 ... 12	1828+	H	
12645	β 1224	L 46942	50 53	55 10	203.3	3.94	6.6... 13.3	1890.74	β 3	
12646	Hu 98	SD (13°) 6490	50 57	-13 38	121.6	1.61	8.4... 10.0	1899.73	Hu 3	(A. J. 480)
12647	H 1921	....	50 58	56 3	217.8	3±	11 ... 12	1828+	H	"In a splendid cluster"
12648	A. G. 297	A. G. Lund 11384	51 7	37 11	312.8	1.81	8.7... 8.9	1902.53	β 3	
12649	H 5435	O. Arg. S. 23144	51 12	-16 46	2.7	12±	9 ... 9½	1835.7	H	
12650	A 427	A. G. Camb. 14370	51 14	27 4	221.4	1.58	8.7... 13.2	1902.86	A 3	(Bul. L. O. No. 29)
12651	OΣ 512	Rad ⁱ . 6230	51 18	60 22	290.9	4.55	6.6... 10.9	1853.73	OΣ 4	6.6 golden
12652	A 799	A. G. Bonn 18311	51 28	47 24	13.1	1.64	8.7... 8.8	1904.50	A 1	
12653	H 1922	....	23 51 37	35	148.3	6±	9-10... 12	1828+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
12654	H 321	Pegasi 423	23 ^h 51 ^m 38 ^s	10° 48'	125° ±	15" ±	7 ... 11	1820+	H	
12655	Σ 3047	DM (56°) 3120	51 50	56 43	65.6	1.18	8.7... 8.7	1832.20	Z 3	A and B } <i>Yel'sh wh.</i>
					185.9	8.08	... 12.5	1880.74	β 1	A and C } <i>AC=β 280</i>
12656	Σ 3048	P XXIII ^b . 240	51 57	23 41	314.3	9.22	7.7... 8.8	1830.57	Z 3	<i>Yel'sh wh.</i>
12657	H 995	DM (27°) 4655	51 58	27 59	343 ±	5-10	....	1820+	H	
12658	H 3228	Ord. DM (28°) 18415	52 0	-28 36	335.5	10 ±	9-10... 9-10	1830+	H	"Neat"
12659	Δ 28	O. Arg. W. 26231	52 6	60 22	318.3	4.61	9.4... 9.8	1869.51	Δ 4	
12660	H 996	DM (0°) 5074	52 12	0 55	345 ±	12 ±	10 ... 15	1820+	H	
12661	OΣ 513	L 46981	52 14	34 21	22.5	3.79	7.0... 9.5	1851.10	OZ 4	
12662	H 997	....	52 17	-1 45	85 ±	9 ±	10-11... 11-12	1820+	H	
12663	Kepler 37	R Cassiopeiae	52 19	50 43	277.1	8.75	Var... 14.5	1899.97	Es 1	A and B } (<i>A. N.</i>
					332.8	27.29	... 10.2	1899.89	Es 2	A and C } 3717)
12664	β 730	27 Piscium	52 32	-4 13	265.8	1.42	5.5... 10.8	1878.39	β 3	
12665	Hu 99	SD (13°) 6496	52 45	-13 27	1.1	3.45	8.7... 12.3	1899.73	Hu 3	(<i>A. J.</i> 480)
12666	Σ 3049	ε Cassiopeiae	52 55	55 5	323.5	3.01	5.4... 7.5	1833.19	Z 4	<i>Green: very blue</i>
12667	Ho 206	W ^a XXIII ^b . 1080	52 58	33 36	191.1	2.09	8.0... 10.0	1881.74	Ho 2	
12668	A. G. 298	DM (22°) 4936	53 1	22 47	....	....	9.2...	....	....
12669	Ho 207	W ^a XXIII ^b . 1085	53 1	40 32	187.2	3.52	7.0... 12.5	1883.33	Ho 2	
12670	Kepler 38	....	53 3	56 18	337.8	18.22	9.0... 10.7	1899.73	Es 2	(<i>A. N.</i> 3717)
12671	Doo 22	DM (52°) 3574	53 8	52 49	217.1	1.50	9.0... 9.5	1900.70	Doo 1	
12672	β 1154	DM (73°) 1068	53 12	74 10	310.1	0.98	8.0... 8.2	1889.51	β 3	
12673	H 3229	....	53 18	6 26	322.7	5 ±	11 ... 12	1830+	H	
12674	Arg. 46	Leo. 9674	53 19	-27 12	170.8	11.11	8.0... 8.5	1877.70	Cin 2	
12675	Σ 3050	Andromedae 37	53 23	33 4	191.0	3.78	6.0... 6.0	1832.65	Z 3	<i>Yel'sh</i>
12676	Holmes	DM (56°) 3127	53 24	57 0	75.8	18.61	8.0... 11.0	1901.92	Es 2	(<i>M. N.</i> , LXII, 533)
12677	β 731	L 47033	53 27	-8 28	257.8	1.57	8.7... 10.0	1878.28	β 2	
12678	....	DM (10°) 5017	53 39	10 35	121.7	25.66	8.0... 12.5	1901.68	β 2	
12679	Hu 600	SD (19°) 6552	53 40	-19 25	15.7	1.95	9.2... 10.5	1901.31	Hu 2	(<i>Bul. L. O.</i> No. 27)
12680	Weisse 45	W ^a XXIII ^b . 1071	53 42	1 12	88.4	1.85	8.5... 9.0	1879.74	Cin 1	
12681	H 3230	....	53 47	0 8	355.4	4 ±	13 ... 15	1830+	H	"Difficult; another 13 m. β"
12682	β 860	Andromedae 6	53 53	38 12	107.2	6.70	6.8... 11.6	1881.72	β 4	
12683	Hu 59	O. Arg. W. 26248	53 57	52 35	12.3	1.02	8.6... 8.8	1881.56	β 4	A and B }
					307.5	19.83	... 10.8	1881.56	β 3	AB and C }
12684	H 318	....	54 10:	16 2:	270 ±	12 ±	....	1820+	H	"Stars equal; Δ R. A. = 1°"
12685	H 1923	....	54 16	50 3	275.8	6 ±	12 = 12	1828+	H	"In a tolerably rich cluster"
12686	A. G. 299	A. G. Camb. 14394	54 16	26 15	....	....	6.5...	....	....
12687	β 732	W ^a XXIII ^b . 1086	54 18	7 50	152.4	6.10	8.5... 10.7	1878.35	β 3	
12688	H 1924	....	54 18	66 33	224.6	6 ±	11 = 11	1828+	H	
12689	H 3231	DM (72°) 1133	54 19	72 25	278.4	8 ±	10 ... 13	1830+	H	} "Triple"
					300.6	25 ±	... 10+	1830+	H	
12690	Hu 700	DM (48°) 4210	54 23	48 37	340.5	4.66	8.6... 13.5	1902.64	Hu 2	(<i>Bul. L. O.</i> No. 57)
12691	OΣ (App) 253	Rad ^a . 6258	54 59	68 54	353.3	100.45	6.7... 7.3	1875.50	Δ 3	
12692	Howe 64	....	55 :	-1 10	85.9	1.85	8.5... 9.0	1879.74	Cin 1	From Cin ⁶
12693	OΣ (App) 254	Rad ^a . 6259	55 8	59 41	89.6	58.92	6.3... 7.7	1874.74	Δ 3	
12694	Dunér 4	DM (6°) 5233	55 11	7 2	265.3	15.26	8.8... 9.9	1869.31	Du 3	
12695	H 1925	DM (55°) 3069	55 12	55 24	334.4	12 ±	10 ... 11	1828+	H	
12696	Hn 60	DM (38°) 5112	55 17	38 58	124.1	0.62	8.5... 8.9	1881.71	β 3	
12697	Ho 208	W ^a XXIII ^b . 1146	55 21	30 4	235.8	0.67	8.0... 10.0	1884.39	Ho 2	
12698	H 3232	....	55 38	-19 51	345.9	12 ±	10 ... 12	1830+	H	
12699	Hu 798	DM (63°) 2093	55 42	63 57	....	1 ±	9.1...	1904	Hu	
12700	β 482	DM (62°) 2350	55 45	62 39	343.8	4.60	9.0... 10.0	1888.71	β 3	A and B }
					123.9	9.79	... 11.2	1888.71	β 3	A and C }
12701	β 733	85 Pegasi	55 54	26 27	274.0	0.67	6.0... 12.5	1878.73	β 3	A and B }
					114.1	33.03	... 8.5	1852.67	OZ 1	A and C }
12702	H 5440	L 47124	56 7	-27 48	285.1	3.63	8½... 9	1834.78	H 1	
12703	Ho 209	DM (32°) 4755	23 56 12	32 18	358.7	1.28	8.5... 11.0	1884.23	Ho 2	A and B }
					139.0	19.47	... 13	1884.43	Ho 2	AB and C }

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
12704	Σ 3053	B. A. C. 8355	23 ^h 56 ^m 27 ^s	65° 26'	70° 0	15.15	6.0... 7.3	1832.49	Z 3	Very <i>yel.</i> : <i>blue</i>
12705	A 428	SD (9°) 6310	56 30	— 9 9	111.1	0.22	8.7... 8.8	1902.74	A 3	(<i>Bul. L. O. No. 59</i>)
12706	Σ 3051	L 47159	56 34	79 37	23.4	16.52	7.5... 9.4	1832.97	Z 4	7.5 <i>yel'sh wh.</i>
12707	Arg 47	O. Arg. W. 26323	56 36	59 17	289.3	10.13	8 ... 9	1892.8	Es 1	
12708	Ho 622	L 47150	56 37	35 9	87.5	23.53	7.2... 12.2	1896.79	Ho 2	(<i>A. N. 3556</i>)
12709	β 281	L 47148	56 38	1 28	217.0	1.12	7.5... 11.0	1877.82	β 2	A and B }
					335.8	30.44	... 11.0	1877.82	β 2	A and C }
12710	Hu 799	DM (77°) 933	56 41	77 32	....	1 \pm	9.5... 9.8	1904	Hu	
12711	A 800	A. G. Bonn 18403	56 43	46 35	285.1	1.39	8.5... 8.5	1904.50	A 1	
12712	Σ 3052	DM (70°) 1342	56 47	70 41	7.9	33.51	7.2... 7.8	1831.93	Z 3	White
12713	H 999	L 47158	56 48	— 1 34	85 \pm	30 \pm	7-8... 14	1820+	H	
12714	Welsch 46	W ^a XXIII ^a . 1147	56 49	2 43	....	....	9 ...	....	....
12715	Σ 3054	DM (7°) 5123	56 55	7 36	181.5	33.66	7.5... 8.5	1828.73	Z 2	Very <i>wh.</i>
12716	β 861	DM (68°) 1422	56 55	69 2	177.4	1.30	9.4... 9.7	1881.53	β 4	
12717	H 3233	....	56 56	6 42	195.4	7 \pm	10 ... 11	1830+	H	"A third <i>sp</i> by diagram"
12718	H 1926	DM (56°) 3138	56 57	56 43	315.3	13 \pm	8 ... 11	1828+	H	
12719	H 1927	DM (44°) 4543	56 58	44 28	85.0	16 \pm	9-10... 10	1828+	H	
12720	H 1928	....	57 5	60 14	199.5	14 \pm	10-11... 11	1828+	H	
12721	H 3234	DM (81°) 841	57 8	81 58	201.0	1 $\frac{1}{2}$ \pm	9-10... 12	1830+	H	A and B }
					41.3	10 \pm	... 14	1830+	H	A and C }
12722	H 3235	DM (12°) 5060	57 34	12 12	81.8	15 \pm	10 ... 10	1830+	H	
12723	A 429	A. G. Camb. 14424	57 42	27 19	164.0	0.46	8.8... 9.0	1902.86	A 3	A and B }
					288.9	4.97	8.4... 9.0	1902.86	A 3	AB and C }
12724	Σ 3055	DM (11°) 5092	57 51	11 29	0.8	5.45	7.0... 11.2	1831.07	Z 5	7.0 <i>yel'sh wh.</i>
12725	H IV. 69	....	57 54:	40 33:	340.6	21.97	....	1783.64	H 1	
12726	H 1931	DM (49°) 4321	57 57	49 18	116.1	15 \pm	8 ... 12	1828+	H	
12727	S 838	9 Cassiopeiae	58 3	61 37	195.6	245.42	6 ... 10	1824.84	S 2	10 <i>blue</i>
12728	H 1932	DM (41°) 4932	58 5	41 55	302.2	5 \pm	10 = 10	1828+	H	"Next; a third <i>sp</i> "
12729	O Σ 514	DM (41°) 4933	58 27	41 25	168.1	5.19	6.9... 9.5	1847.55	OZ 4	
12730	Hu 800	DM (34°) 5059	58 30	35 7	72.2	0.20	8.8... 9.0	1904.49	Hu 1	
12731	Σ 3056	DM (33°) 4827	58 30	33 36	158.2	0.55	7.4... 7.4	1831.32	Z 5	A and B }
					355.4	20.48	... 9.0	1831.64	Z 5	AB and C } <i>yel'sh</i>
12732	β 862	W ^a XXIII ^a . 1245	58 36	37 30	104.9	0.54	8.5... 8.8	1881.74	β 2	
12733	Hu 100	SD (10°) 6223	58 39	— 10 32	349.6	4.32	9.2... 9.6	1899.73	Hu 3	(<i>A. J. 480</i>)
12734	A 203	A. G. Bonn 18435	58 42	43 18	335.1	1.37	8.3... 8.6	1900.84	A 3	
12735	Σ 3057	B. A. C. 8364	58 43	57 52	299.5	3.64	7.2... 9.3	1832.29	Z 3	<i>Yel'sh: ash</i>
12736	β 997	L 47215	58 47	45 1	339.7	4.02	7.9... 8.9	1880.73	β 4	
12737	H 1933	DM (62°) 2360	58 54	62 42	91.5	15 \pm	10 ... 10+	1828+	H	
12738	Σ 3059	Redhill 3707	58 55	82 2	334.8	2.35	9.3... 10.8	1833.43	Z 3	
12739	Σ 3058	W ^a XXIII ^a . 1263	59 0	29 40	49.9	12.47	7.7... 9.2	1831.00	Z 3	7.7 <i>wh.</i>
12740	O Σ 547	L 47231	59 12	45 9	110.9	4.49	8.3... 8.3	1876.07	OZ 3	Reddish
12741	O Σ (App) 255	DM (15°) 4935	59 14	15 40	336.9	89.22	7.8... 8.2	1874.95	A 3	
12742	Ho 490	L 47236	59 19	33 26	167.5	20.82	8.0... 13	1892.46	Ho 2	
12743	Hu 501	DM (49°) 4329	59 20	49 51	256.0	4.60	7.8... 13.0	1902.54	Hu 2	(<i>Bul. L. O. No. 57</i>)
12744	H 3237	DM (75°) 907	59 32	75 37	315.8	18 \pm	9 ... 12	1830+	H	
12745	A 110	A. G. Bonn 18447	59 33	41 59	123.4	1.89	9.2... 9.3	1900.84	A 3	
12746	Σ 3061	DM (17°) 5032	59 35	17 10	148.4	7.59	8.0... 8.0	1829.76	Z 4	White
12747	β 863	DM (72°) 1139	59 42	72 55	123.7	1.60	9.2... 11.0	1881.57	β 3	
12748	H 5441	....	59 43	— 22 20	233 \pm	20 \pm	9 ... 9	1835.8	H	
12749	H 3238	SD (15°) 6542	59 45	— 15 6	246.0	25 \pm	9-10... 12	1830+	H	
12750	Σ 3060	DM (17°) 5036	59 47	17 25	110.5	3.93	8.5... 8.7	1830.52	Z 3	<i>Yel'sh</i>
12751	See 1	Corr. 23 ^h . 1630	59 48	— 31 0	324.5	4.85	8.5... 12	1896.83	See 2	
12752	Hu 502	DM (48°) 4244	59 48	48 57	112.6	2.41	7.2... 10.5	1902.54	Hu 3	(<i>Bul. L. O. No. 57</i>)
12753	Kr 67	A. G. Hols. 14673	59 49	60 12	159.4	2.71	9.0... 9.2	1890.76	β 1	
12754	H 3236	SD (21°) 6532	59 49	— 21 19	217.5	18 \pm	10 = 10	1830+	H	(= H 5442)
12755	Σ 3062	B. A. C. 8372	23 59 57	57 46	87.5	0.82	6.9... 8.0	1831.71	Z 2	<i>Yel.</i>

APPENDIX TO PART I

APPENDIX TO PART I

Number	Double Star	Star Catalogue	R. A. 1900	Decl. 1900	Position Angle	Distance	Magnitudes	Epoch 1900+	Observer	Notes
12756	Hu 1001	DM (33°) 4835	0 ^h 1 ^m 15 ^s	34° 3'	178° 4	1.98	8.2...11.2	4.54	Hu 2	
12757	Hu 1002	DM (62°) 3	2 33	62 48	302.7	0.65	9.2...10.5	4.99	Hu 3	
12758	Hu 1003	DM (66°) 6	4 53	66 44	31.6	2.42	8.5...11.2	4.73	Hu 2	
12759	A 801	DM (74°) 3	5 38	74 58	232.0	1.82	9.1... 9.5	4.64	A 2	
12760	A 901	A. G. Hels. 78	6 4	59 24	96.5	0.91	8.6...11.0	5.55	A 3	
12761	A 802	A. G. Bonn 94	6 57	46 13	337.5	0.20	9.1... 9.4	4.83	A 3	
12762	A 902	A. G. Hels. 127	8 59	59 47	326.6	1.20	8.5...11.2	5.55	A 3	
12763	A 646	A. G. Bonn 135	9 21	44 19	44.3	2.38	8.5...11.2	4.54	A 2	
12764	A 903	A. G. Harvard 82	9 35	52 42	118.9	0.73	8.9...11.2	5.66	A 3	
12765	Hu 1004	DM (66°) 12	10 43	66 16	188.4	0.49	9.0... 9.5	4.73	Hu 2	
12766	A 904	A. G. Hels. 174	11 50	57 3	0.4	3.24	8.9...10.0	5.59	A 2	
12767	A 803	DM (72°) 15	12 38	72 23	175.2	0.33	7.3... 7.6	4.62	A 3	PM = 0°002 in 90° (Gr)
12768	A 905	A. G. Hels. 188	13 6	59 11	288.8	0.81	9.0...11.8	5.55	A 3	
12769	A 906	DM (54°) 28	13 12	54 58	313.8	2.46	9.2...12.0	5.68	A 2	
12770	Hu 1005	DM (49°) 46	14 10	49 57	180.0	0.60	9.2...11.5	3.97	Hu 3	
12771	A 647	A. G. Bonn 229	15 14	44 57	215.8	0.66	7.5... 9.5	4.54	A 3	
12772	Hu 1006	DM (65°) 37	16 10	65 15	198.4	3.13	9.0... 9.4	4.73	Hu 2	
12773	A 907	A. G. Harvard 129	17 11	53 44	220.8	0.70	8.7... 8.9	5.66	A 3	
12774	A 648	A. G. Bonn 255	17 14	44 22	72.3	0.31	8.8... 9.8	4.56	A 3	
12775	A 804	A. G. Bonn 262	17 53	46 43	322.5	1.49	8.3...10.5	4.62	A 2	A and B } AC = H 1960
					202.0	25.60	...10	4.62	A 1	A and C } (See No. 172)
12776	A 908	A. G. Hels. 282	19 5	55 59	249.2	0.35	9.3... 9.4	5.66	A 3	
12777	Hu 1007	DM (62°) 84	22 39	63 11	156.7	0.39	9.5... 9.5	5.00	Hu 2	
12778	Hu 1008	DM (49°) 97	22 46	49 55	235.6	0.34	9.2...10.0	4.80	Hu 2	
12779	A 805	A. G. Leip. I. 115	23 58	10 46	304.3	4.14	8.0...14.2	4.67	A 2	
12780	A 649	A. G. Chris. 83	24 2	68 31	305.6	0.44	8.5... 8.8	4.56	A 3	
12781	A 909	A. G. Hels. 361	24 11	58 22	35.8	0.87	8.9... 9.2	5.55	A 3	A and B }
					235.5	7.15	...14.5	5.53	A 1	A and C }
12782	A 910	A. G. Bonn 372	24 47	45 24	31.8	2.34	8.5...10.0	5.64	A 2	
12783	Hu 1009	DM (32°) 78	25 55	32 52	241.5	1.67	9.0... 9.6	4.66	Hu 2	
12784	A 911	A. G. Bonn 416	28 0	47 6	319.7	0.50	7.9... 8.6	5.41	A 3	
12785	A 912	A. G. Bonn 419	28 9	44 36	17.9	0.44	10.0...13.2	4.79	A 2	B and C }
					229.6	24.04	8.3...	4.63	A 1	A and BC }
12786	Hu 1010	DM (33°) 74	29 55	33 18	85.0	1.28	9.2... 9.2	4.49	Hu 2	
12787	A 806	A. G. Leip. I. 145	30 18	11 18	146.2	1.28	8.0...13.0	4.61	A 2	A and B }
					236.0	1.08	9.7...12.7	4.61	A 2	C and D }
					10.9	60.05	...	4.60	A 1	A and C }
12788	Hu 1011	DM (33°) 75	30 19	33 56	132.3	0.40	7.5... 9.0	4.49	Hu 2	
12789	A 913	A. G. Hels. 481	30 50	55 48	82.5	0.50	9.1... 9.5	5.80	A 3	
12790	A 914	A. G. Hels. 484	30 57	55 35	257.1	0.26	8.5... 8.5	5.80	A 3	
12791	A 807	A. G. Leip. I. 149	31 14	11 40	241.0	0.79	8.7...10.8	4.65	A 3	
12792	A 808	A. G. Leip. II. 189	32 12	8 27	148.0	0.50	8.7...10.0	4.86	A 2	
12793	A 915	A. G. Camb. 363	32 30	29 57	142.7	0.70	9.5... 9.8	5.86	A 2	
12794	A 650	A. G. Bonn 528	35 36	46 26	24.1	3.78	8.3...15.5	4.55	A 2	
12795	Hu 1012	DM (76°) 20	36 19	76 27	210.3	0.55	9.0...10.5	4.70	Hu 2	
12796	A 809	A. G. Leip. I. 176	36 53	10 27	321.4	0.54	8.9...10.6	4.69	A 4	
12797	A 916	A. G. Hels. 570	37 11	57 9	269.4	0.67	9.2... 9.5	5.59	A 2	
12798	Hu 1013	DM (80°) 17	37 26	80 19	161.0	1.08	8.8...12.0	4.60	Hu 2	
12799	A 917	A. G. Camb. 413	37 29	28 51	121.0	1.12	9.2...10.5	5.85	A 2	
12799	A 651	A. G. Bonn 555	37 49	46 53	200.2	0.58	9.0...10.0	4.57	A 3	
12800	Hu 1014	DM (76°) 23	0 37 59	76 27	350.7	0.88	9.3... 9.8	4.76	Hu 3	

Burnham: General Catalogue of Double Stars

Number	Double Star	Star Catalogue	R. A. 1900	Decl. 1900	Position Angle	Distance	Magnitudes	Epoch 1900-†	Observer	Notes
12801	Hu 1015	DM (64°) 74	0 ^h 38 ^m 13 ^s	64° 28'	305.4	0.68	9.0...10.3	5.00	Hu 3	
12802	A 810	A. G. Lelp. I. 189	38 13	11 3	313.6	2.53	8.9...14.2	4.64	A 2	
12803	A 918	A. G. Harvard 310	38 18	54 3	62.3	1.91	8.3...13.3	5.80	A 3	
12804	A 652	A. G. Bonn 564	38 30	46 25	174.6	0.27	8.3... 9.5	4.57	A 3	
12805	A 919	A. G. Hols. 598	39 0	59 46	144.8	0.50	8.5... 9.2	5.60	A 3	A and B
					39.6	2.31	12.5...14.0	5.61	A 1	C and D
					49.9	83.0	...	5.61	A 1	AB and C
12806	A 811	DM (73°) 36	41 6	73 56	67.4	0.52	9.0... 9.2	4.83	A 2	
12807	A 920	A. G. Lelp. I. 207	41 42	11 59	228.5	1.60	8.6...11.2	5.60	A 3	
12808	A 653	A. G. Bonn 616	41 47	44 45	137.0	4.27	9.0...15.0	4.54	A 2	
12809	A 654	A. G. Bonn 639	43 0	44 26	84.0	5.16	7.6...14.5	4.54	A 2	P.M. = 0.043 in 139°8 (Gr)
12810	A 921	A. G. Hols. 682	44 32	56 32	38.9	0.17	9.0... 9.5	5.62	A 3	A and B
					265.4	4.32	...14.2	5.60	A 3	AB and C
12811	A 922	A. G. Leiden 272	45 26	31 30	341.5	0.51	9.3... 9.5	5.89	A 3	
12812	A 923	A. G. Hols. 709	46 5	59 2	156.0	0.85	9.0...11.0	5.60	A 3	
12813	A 812	A. G. Bonn 686	46 9	47 31	326.4	1.80	7.1...11.0	4.62	A 2	
12814	A 924	A. G. Leiden 283	46 36	31 21	254.2	0.44	9.2... 9.3	5.89	A 3	
12815	Hu 1016	DM (63°) 105	46 53	63 23	186.9	3.39	8.3...13.0	4.89	Hu 2	
12816	Hu 1017	DM (51°) 177	47 41	51 47	332.8	1.96	8.8...10.8	4.53	Hu 2	
12817	Hu 1018	DM (50°) 175	48 31	50 35	357.3	0.80	9.3...10.0	3.63	Hu 2	
12818	Hu 1019	DM (66°) 79	52 17	66 54	222.1	1.17	8.3...11.0	4.87	Hu 3	
12819	A 925	A. G. Bonn 789	53 2	44 25	102.9	1.26	8.0...12.2	5.85	A 2	
12820	A 926	A. G. Hols. 840	55 0	59 49	248.4	0.25	8.2... 8.6	5.62	A 3	
12821	Hu 1020	DM (60°) 143	55 16	60 30	109.2	0.84	8.8...12.0	4.89	Hu 2	
12822	A 927	A. G. Bonn 833	56 3	46 3	349.8	2.97	9.0... 9.5	5.85	A 2	
12823	A 928	DM (86°) 15	56 39	86 21	167.2	1.75	9.1...11.5	5.21	A 2	
12824	A 929	A. G. Camb. 636	59 34	29 3	119.7	0.39	9.4... 9.5	5.89	A 3	
12825	A 930	A. G. Hols. 918	1 0 22	58 9	339.8	0.21	9.1... 9.3	5.61	A 3	
12826	A 931	A. G. Bonn 910	1 15	47 12	274.5	0.28	8.6... 8.6	5.87	A 3	
12827	Hu 1021	DM (66°) 94	1 40	66 57	298.8	2.84	8.2...12.0	4.72	Hu 2	
12828	A 932	A. G. Bonn 951	3 38	44 22	344.5	0.89	9.1...10.2	5.85	A 2	
12829	Hu 1022	DM (48°) 347	3 55	48 52	323.0	2.88	8.4...13.3	3.95	Hu 3	
12830	A 933	A. G. Bonn 959	4 10	44 54	348.2	2.06	9.0...11.5	5.85	A 2	
12831	A 655	A. G. Bonn 983	5 32	40 41	144.6	0.28	7.3... 7.7	4.05	A 3	
12832	Hu 1023	DM (64°) 130	7 6	65 5	2.1	3.82	8.7...10.2	4.72	Hu 2	
12833	Hu 1024	DM (50°) 240	7 17	50 34	200.8	0.70	8.8... 9.6	4.57	Hu 3	
12834	A 656	A. G. Bonn 1014	7 32	43 55	87.2	0.63	9.3...10.3	4.05	A 3	B and C
					161.0	18.22	8.5...	4.04	A 2	A and B = No. 642
12835	A 934	A. G. Bonn 1033	9 1	47 43	182.8	2.97	9.2... 9.8	5.71	A 2	
12836	A 935	A. G. Hols. 1065	9 24	58 46	36.9	0.31	8.0... 9.2	5.62	A 3	
12837	A 813	A. G. Kasan 206	9 38	75 22	53.8	1.92	9.0...10.2	4.83	A 2	
12838	Hu 1025	DM (67°) 104	9 48	68 9	198.8	2.97	9.0... 9.8	4.72	Hu 2	
12839	Hu 1026	DM (49°) 336	10 10	49 32	224.0	4.18	8.8... 9.5	4.53	Hu 2	
12840	A 657	....	10 26	43 57	150.6	1.54	9.7...11.0	4.04	A 2	
12841	A 936	A. G. Hols. 1084	10 59	56 36	238.9	0.72	9.0...11.5	5.56	A 3	
12842	A 814	DM (72°) 67	11 1	72 51	359.9	0.24	8.6... 8.8	4.85	A 3	
12843	A 937	A. G. Bonn 1082	12 14	46 35	217.0	0.22	8.8... 9.2	5.72	A 3	
12844	Hu 1027	DM (64°) 148	13 29	65 4	281.6	0.96	9.0... 9.2	4.72	Hu 2	
12845	A 938	A. G. Bonn 1142	16 0	46 45	292.3	3.52	7.4...11.5	5.62	A 2	
12846	A 939	A. G. Bonn 1180	19 12	45 5	263.8	0.20	8.5... 8.5	5.69	A 4	
12847	Hu 1028	DM (66°) 117	20 59	67 3	273.1	0.65	9.1...11.2	4.72	Hu 2	
12848	A 940	A. G. Hols. 1234	21 33	57 50	74.8	0.41	9.1... 9.1	5.62	A 3	
12849	A 941	A. G. Bonn 1243	22 41	44 38	237.4	1.30	8.5...12.0	5.71	A 3	
12850	Hu 1029	DM (62°) 258	23 21	63 4	221.6	1.77	9.3... 9.8	4.81	Hu 2	
12851	A 815	A. G. Bonn 1277	24 48	47 3	166.7	1.40	8.5...11.0	4.60	A 2	
12852	A 816	DM (71°) 87	1 27 45	71 56	312.8	0.38	8.0... 8.1	4.88	A 2	P. M. = 0.024 in 38°2 (Gr)

Appendix

Number	Double Star	Star Catalogue	R. A. 1900	Decl. 1900	Position Angle	Distance	Magnitudes	Epoch 1900-1	Observer	Notes
12853	A 942	A. G. Hols. 1299	1 ^h 25 ^m 47 ^s	57° 54'	27° 6'	1.31	8.9... 9.8	5.62	A 3	A and B } AB and C }
12854	A 943	A. G. Bonn 1322	28 38	45 5	209.0	0.46	8.7... 11.0	5.73	A 3	
12855	Hu 1030	DM (75°) 69	30 5	76 13	325.8	0.54	8.5... 8.7	4.76	Hu 3	
12856	A 817	A. G. Bonn 1361	31 2	48 12	45.8	0.37	8.2... 8.7	4.62	A 3	
12857	A 944	A. G. Bonn 1376	31 59	45 29	349.5	0.44	8.6... 8.9	5.71	A 3	
					227.8	14.80	... 13.0	5.75	A 1	A and B } AB and C }
12858	A 945	A. G. Bonn 1387	32 22	44 23	86.2	3.63	8.9... 12.3	5.76	A 3	
12859	A 946	DM (69°) 110	33 58	69 54	332.4	0.70	9.0... 10.5	4.88	A 2	
12860	A 947	A. G. Leiden 644	38 23	30 27	7.4	5.00	9.0... 12.2	5.85	A 2	
12861	Hu 1031	DM (34°) 305	39 41	34 22	334.7	1.23	8.7... 11.7	4.74	Hu 3	
12862	A 946	A. G. Bonn 1495	40 15	44 9	27.5	0.26	8.7... 10.2	5.82	A 3	A and B } C and D } A and C }
					307.5	1.99	13.5... 13.8	5.80	A 2	
					202.6	52.60	...	5.80	A 1	
12863	A 949	A. G. Bonn 1511	41 20	44 15	290.8	3.31	9.1... 10.7	5.78	A 2	
12864	Hu 1032	DM (64°) 236	41 29	64 53	202.3	1.11	8.8... 12.2	4.72	Hu 2	
12865	A 950	A. G. Hols. 1612	42 53	56 15	118.2	0.38	9.2... 9.7	5.82	A 3	A and B } AB and C — Hols (No. 996)
					125.5	16.09	... 10.0	5.80	A 1	
12866	A 951	A. G. Hols. 1632	44 46	59 51	190.9	0.39	8.4... 8.7	5.86	A 3	
12867	A 952	A. G. Bonn 1567	45 26	46 35	69.2	2.20	7.5... 13.0	5.85	A 2	
12868	A 953	A. G. Hols. 1673	47 46	59 26	265.8	0.38	8.5... 8.5	5.86	A 3	
12869	A 954	A. G. Hols. 1682	48 11	57 48	203.1	0.71	8.4... 10.2	5.58	A 3	A and B } B and C }
12870	A 955	A. G. Hols. 1681	48 12	59 29	119.9	0.78	7.9... 11.5	5.86	A 3	
12871	Hu 1033	DM (35°) 374	49 49	35 51	239.7	0.96	8.5... 8.8	4.63	Hu 2	
12872	A 818	A. G. Bonn 1641	51 3	47 43	205.2	0.31	9.0... 9.4	4.81	A 3	
12873	A 819	A. G. Leiden 722	51 16	30 32	131.8	0.53	7.8... 9.3	4.83	A 2	
12874	A 956	A. G. Hols. 1771	53 52	59 56	297.9	0.33	9.1... 9.6	5.86	A 3	A and B } B and C }
12875	A 820	A. G. Bonn 1722	55 28	47 9	245.6	1.70	9.0... 12.5	4.76	A 2	
12876	A 957	A. G. Hols. 1826	57 43	60 2	107.2	0.43	7.9... 10.0	5.82	A 3	
12877	Hu 1034	DM (34°) 382	2 4 0	34 20	280.9	0.47	8.8... 11.2	4.81	Hu 2	
12878	A 956	A. G. Hols. 1991	7 58	59 2	228.8	1.70	8.9... 13.5	5.67	A 2	
12879	Hu 1035	DM (62°) 371	9 18	62 29	90.7	2.14	8.5... 13.0	4.81	Hu 2	A and B } B and C }
12880	Hu 1036	DM (34°) 403	10 8	34 33	353.3	0.30	9.5... 9.5	4.61	Hu 3	
12880	A 821	A. G. Hols. 2087	12 4	60 1	61.9	0.50	8.0... 12.3	4.76	A 3	
12881	A 959	A. G. Leiden 849	12 6	30 48	359.2	3.98	9.0... 12.0	5.83	A 2	
12882	Hu 1037	DM (62°) 379	12 59	62 53	324.4	0.55	9.0... 10.0	4.93	Hu 3	
12883	Hu 1036	DM (63°) 323	13 58	63 27	50.7	3.43	9.0... 13.2	4.81	Hu 2	A and B } B and C }
12884	A 960	A. G. Leiden 863	14 0	30 20	290.6	0.79	8.4... 11.2	5.84	A 3	
12885	A 961	A. G. Camb. 1244	14 20	29 21	57.4	0.18	8.6... 8.6	5.87	A 3	
12886	A 962	A. G. Camb. 1252	15 15	29 29	64.3	0.56	8.9... 9.2	5.84	A 3	
12887	A 963	A. G. Hols. 2171	15 39	56 38	140.5	4.32	9.0... 13.0	5.78	A 3	
					306.5	1.00	... 13.5	5.78	A 3	A and B } B and C }
12888	Hu 1039	DM (61°) 406	16 11	61 58	107.7	1.29	8.5... 12.8	4.94	Hu 3	
12889	A 964	A. G. Leiden 906	20 47	31 40	93.5	0.24	9.5... 10.0	5.87	A 3	
12890	A 658	A. G. Bonn 2078	21 35	41 2	211.2	2.61	8.9... 10.5	4.03	A 2	
12891	Hu 1040	DM (60°) 484	21 40	60 29	315.7	0.44	9.2... 9.7	4.81	Hu 2	
12892	A 859	A. G. Bonn 2082	21 54	40 42	267.3	0.79	9.0... 9.0	4.03	A 3	A and B } B and C }
12893	A 822	A. G. Hols. 2280	22 57	56 14	298.5	4.03	8.0... 14.5	4.84	A 2	
12894	A 965	A. G. Camb. 1337	23 23	28 37	210.5	1.65	9.0... 12.7	5.83	A 2	
12895	Hu 603	DM (22°) 353	23 25	22 26	226.8	5.31	8.5... 11.8	1.85	Hu 2	
12896	A 966	DM (46°) 578	23 56	46 23	319.0	1.78	9.2... 11.7	5.82	A 2	
12897	A 967	A. G. Bonn 2108	23 57	44 59	220.2	3.80	7.5... 13.0	5.77	A 2	A and B } B and C }
12898	A 966	A. G. Bonn 2118	24 42	46 36	18.8	1.39	8.7... 9.0	5.77	A 2	
12899	A 660	A. G. Bonn 2120	25 6	42 7	303.3	0.25	8.0... 8.1	4.03	A 3	
12900	A 823	A. G. Hols. 2312	25 47	59 33	245.3	0.55	7.5... 11.5	4.76	A 3	
12901	A 824	DM (59°) 508	26 10	60 11	276.4	0.70	9.6... 10.0	4.83	A 2	
12902	Hu 1041	DM (64°) 337	2 29 33	64 54	72.2	0.26	8.2... 8.8	4.91	Hu 2	

Burnham: General Catalogue of Double Stars

Number	Double Star	Star Catalogue	R. A. 1900	Decl. 1900	Position Angle	Distance	Magnitudes	Epoch 1900 +	Observer	Notes
12903	Hu 1042	DM (79°) 78	2 ^h 31 ^m 26 ^s	79° 43'	107° 7'	0.86	9.0...12.2	4.85	Hu 2	(= No. 1350)
12904	Hu 1043	DM (14°) 438	33 25	15 0	58.1	3.00	9.0... 9.5	4.86	Hu 3	
12905	Hu 1044	DM (13°) 422	33 38	14 4	130.2	1.76	8.1... 9.7	4.86	Hu 3	
12906	A 969	A. G. Hels. 2438	34 59	59 52	102.2	0.52	9.0...10.0	4.91	A 2	
12907	A 970	A. G. Hels. 2447	35 41	58 28	100.2	5.12	7.2...13.5	5.75	A 2	
12908	A 825	A. G. Leiden 1020	37 26	31 22	128.6	1.43	8.6...12.5	4.83	A 2	
12909	A 971	A. G. Hels. 2485	38 1	57 13	79.8	0.20	8.8... 9.4	5.76	A 3	
12910	A 826	A. G. Leiden 1030	38 48	31 4	163.2	4.19	8.7...11.8	4.83	A 2	
12911	Hu 1045	DM (14°) 458	39 10	15 9	189.3	0.30	9.0...10.0	4.82	Hu 2	
12912	Hu 1046	DM (13°) 442	39 34	13 46	92.6	1.08	7.5...11.2	4.82	Hu 2	
12913	Hu 604	DM (35°) 563	42 9	35 55	210.3	1.92	9.0...11.0	3.38	Hu 3	
12914	A 972	A. G. Hels. 2540	42 45	56 14	102.9	0.76	8.9...11.7	5.76	A 3	
12915	A 973	A. G. Leiden 1077	47 28	31 9	230.4	0.42	9.0...10.5	5.84	A 2	
12916	A 974	A. G. Hels. 2632	49 15	58 11	177.6	2.32	8.8...13.0	5.77	A 2	
12917	Hu 1047	DM (12°) 410	50 9	12 46	36.4	0.35	8.5...10.2	4.78	Hu 3	
12918	Hu 1048	DM (14°) 497	51 50	14 18	312.5	3.20	9.0...14.2	4.74	Hu 2	
12919	A 827	DM (72°) 154	52 37	72 13	263.3	0.24	8.0... 8.1	4.88	A 3	
12920	Hu 1049	DM (79°) 90	53 2	80 2	41.8	1.08	8.7...12.5	4.85	Hu 2	
12921	Hu 1050	DM (64°) 358	53 11	64 22	135.7	0.38	9.3... 9.5	4.91	Hu 2	
12922	Hu 1051	DM (48°) 828	54 21	48 28	112.2	0.42	9.0...11.2	4.02	Hu 3	
12923	Hu 1052	DM (67°) 239	54 48	68 7	148.6	0.95	9.0...11.5	4.91	Hu 2	
12924	Hu 1053	DM (63°) 393	59 34	63 26	62.4	2.50	9.0...11.5	4.84	Hu 3	
12925	A 975	A. G. Hels. 2770	3 0 58	56 16	202.2	1.61	8.0...10.5	5.79	A 2	
12926	A 976	DM (69°) 202	5 21	70 8	247.2	0.92	9.0...11.0	5.13	A 2	
12927	Hu 1054	DM (65°) 330	6 0	65 51	268.3	0.41	8.8... 9.2	4.91	Hu 2	
12928	A 977	A. G. Hels. 2843	7 20	59 32	157.9	0.61	9.0...10.0	5.67	A 3	
12929	A 828	A. G. Leip. II. 1205	8 52	8 49	207.0	0.78	9.0...10.2	4.83	A 2	P.M. = 0°023 in 149°5 (Gr)
12930	Hu 1055	DM (15°) 452	9 31	15 56	124.2	0.35	8.5... 9.0	4.69	Hu 3	
12931	Hu 1056	DM (66°) 253	10 32	66 52	282.1	0.55	8.1... 8.1	4.91	Hu 2	
12932	A 978	A. G. Hels. 2969	17 8	60 8	243.2	2.21	8.0...13.8	5.64	A 3	
12933	Hu 1057	DM (76°) 123	17 32	76 57	104.7	3.06	8.8...11.2	4.81	Hu 3	
12934	Hu 1058	DM (39°) 778	18 24	39 52	114.1	0.80	7.8... 8.5	4.99	Hu 2	
12935	A 979	A. G. Leiden 1299	19 38	30 23	269.2	1.44	9.2...10.0	5.83	A 2	
12936	A 980	A. G. Hels. 3003	20 15	59 54	175.6	0.34	6.8... 8.2	5.64	A 3	
12937	A 829	A. G. Leip. I. 1008	20 40	12 8	40.5	0.33	8.2... 9.7	4.85	A 3	
12938	A 981	DM (71°) 204	21 5	71 31	7.6	0.89	8.2...11.0	5.13	A 2	
12939	Hu 1059	DM (37°) 772	22 3	37 18	169.7	0.99	8.6...13.5	4.91	Hu 2	
12940	A 982	A. G. Bonn 2921	22 28	46 36	234.8	3.50	10.8...13.8	4.76	A 2	BC (See No. 1715)
12941	A 983	A. G. Camb. 1712	24 53	29 16	307.8	0.48	8.5... 9.2	5.06	A 2	
12942	Hu 1060	DM (61°) 604	25 8	61 49	354.0	1.46	8.0...11.8	5.10	Hu 2	
12943	Hu 1061	DM (15°) 499	27 17	15 12	50.1	2.87	8.2...12.3	4.69	Hu 3	
12944	A 830	A. G. Leip. II. 1324	31 5	9 51	71.1	0.24	9.1... 9.3	4.85	A 3	
12945	Hu 1062	DM (63°) 438	31 17	63 33	234.2	0.19	8.5... 9.0	5.00	Hu 2	
12946	A 984	A. G. Chris. 618	32 44	69 31	347.4	0.44	7.4... 9.8	5.13	A 2	
					73.6	3.08	7.2...	5.13	A 2	
12947	Hu 1063	DM (62°) 599	34 0	62 37	334.6	2.84	9.0... 9.5	5.10	Hu 2	
12948	Hu 1064	DM (15°) 515	34 3	15 51	163.7	0.36	9.5... 9.5	4.69	Hu 2	
12949	A 985	A. G. Harvard 1557	34 17	52 58	42.2	3.75	9.0...10.0	5.83	A 2	
12950	Hu 1065	DM (14°) 591	34 38	14 44	343.8	3.18	9.2...12.0	4.72	Hu 3	BC (AB = No. 1781) B and C A and B = Σ 419 (No. 1788)
12951	A 986	A. G. Hels. 3155	34 43	59 15	310.9	0.26	9.2... 9.4	5.64	A 3	
12952	A 987	A. G. Camb. 1800	36 18	29 26	10.2	1.04	9.6... 9.7	5.83	A 2	
12953	A 988	A. G. Bonn 3115	36 58	47 9	143.3	3.83	8.9...13.8	4.88	A 2	
12954	A 989	A. G. Camb. 1808	37 18	29 16	2.3	3.05	9.5... 9.8	5.83	A 2	
12955	A 990	A. G. Hels. 3176	37 51	57 15	96.8	0.23	9.3... 9.6	5.73	A 3	
12956	Hu 1066	DM (20°) 631	41 11	20 28	268.8	1.20	9.0...10.3	4.75	Hu 3	
12957	A 991	A. G. Bonn 3175	3 41 41	46 23	319.4	1.60	8.1...12.3	5.81	A 3	

Appendix

Number	Double Star	Star Catalogue	R. A. 1900	Decl. 1900	Position Angle	Distance	Magnitudes	Epoch 1900+	Observer	Notes
12958	Hu 1067	DM (38°) 811	3 ^h 42 ^m 59 ^s	38° 41'	74° 8	1.40	8.8... 9.1	4.91	Hu 2	
12959	A 831	A. G. Leip. I. 1109	43 22	11 24	339.0	0.49	8.5... 9.3	4.85	A 3	
12960	A 832	A. G. Leip. I. 1110	43 38	11 21	109.2	1.88	9.0... 10.2	4.83	A 2	
12961	Hu 1068	DM (76°) 142	44 1	77 7	143.8	0.43	8.2... 9.2	4.96	Hu 3	
12962	Hu 1069	DM (63°) 459	44 48	63 57	28.0	2.16	9.0... 12.8	4.73	Hu 2	
12963	A 992	A. G. Bonn 3236	46 39	46 9	197.4	2.98	8.5... 11.2	5.81	A 3	
12964	A 993	A. G. Bonn 3244	47 26	45 29	40.5	1.22	8.0... 13.0	5.87	A 2	
12965	Hu 1070	DM (78°) 136	47 45	78 43	137.9	3.90	8.8... 10.8	4.85	Hu 2	
12966	A 994	DM (71°) 224	48 4	71 35	5.2	0.62	9.1... 9.3	5.13	A 2	
12967	A 995	A. G. Bonn 3299	52 52	44 37	277.9	2.74	8.7... 13.2	5.87	A 2	
12968	Hu 1071	DM (62°) 640	53 12	62 14	226.9	2.03	8.0... 9.0	4.99	Hu 2	(= No. 1964)
12969	Hu 1072	DM (63°) 473	53 44	63 14	127.3	1.03	8.6... 13.0	4.73	Hu 2	
12970	A 996	A. G. Bonn 3331	55 33	46 43	278.6	1.09	8.1... 11.2	5.81	A 3	
12971	Hu 1073	DM (64°) 424	57 22	64 44	164.8	0.85	8.4... 11.5	4.91	Hu 2	
12972	A 997	A. G. Bonn 3370	58 36	45 21	180.5	1.19	8.6... 12.5	5.73	A 3	
12973	Hu 1074	DM (61°) 677	59 15	61 24	263.6	4.37	9.0... 10.2	4.91	Hu 2	
12974	Hu 1075	DM (64°) 426	4 1 29	63 14	156.3	2.42	8.6... 12.8	5.00	Hu 3	
12975	A 998	A. G. Bonn 3409	1 45	45 58	332.9	0.33	7.9... 8.2	5.81	A 3	
12976	A 833	A. G. Hels. 3404	2 12	60 6	358.8	2.50	8.4... 11.2	4.89	A 2	
12977	Hu 1076	DM (32°) 727	2 22	32 11	234.5	0.51	9.2... 10.7	4.66	Hu 3	
12978	Hu 607	DM (33°) 798	2 32	33 49	328.9	4.87	9.0... 12.0	3.03	Hu 3	
12979	Hu 1077	DM (21°) 606	6 17	21 17	101.7	4.06	8.2... 13.0	1.77	Hu 2	
12980	A 999	A. G. Bonn 3481	7 35	44 57	66.8	0.85	8.7... 11.8	5.73	A 3	
12981	A 1000	A. G. Bonn 3518	10 52	45 21	270.5	2.01	8.5... 13.3	5.73	A 3	
12982	A 1001	A. G. Bonn 3542	13 16	45 45	180.5	2.91	9.0... 13.0	5.73	A 3	
12983	A 1002	A. G. Bonn 3544	13 16	45 12	251.3	0.18	9.4... 9.4	5.75	A 3	
12984	Hu 1078	DM (36°) 873	13 35	36 14	149.1	0.55	9.1... 11.0	4.91	Hu 2	
12985	A 1003	DM (71°) 251	16 15	71 35	41.0	1.90	9.2... 10.7	5.13	A 2	
12986	A 834	A. G. Hels. 3533	17 11	56 9	220.5	0.37	8.2... 8.8	4.90	A 3	
12987	A 1004	DM (71°) 254	17 49	71 27	203.2	4.58	8.0... 13.7	5.13	A 2	P.M. = 0° 034 in 91° 7 (Gr)
12988	A 1005	A. G. Leiden 1681	19 13	31 56	207.2	0.80	8.3... 10.5	5.84	A 2	
12989	A 835	DM (72°) 226	21 5	72 26	326.3	0.28	8.7... 9.3	4.84	A 3	A and B }
					226.0	4.17	... 12.0	4.84	A 3	AB and C }
12990	Hu 1079	DM (62°) 684	22 29	62 19	172.5	0.74	8.5... 9.1	5.10	Hu 2	
12991	A 1006	A. G. Chris. 734	22 33	70 15	346.3	0.46	8.7... 9.5	5.13	A 2	
12992	Hu 1080	DM (15°) 633	23 16	15 56	263.1	0.44	6.5... 7.5	4.81	Hu 3	(See No. 2230.)
12993	A 1007	A. G. Bonn 3651	23 36	45 37	156.4	0.27	9.5... 10.0	5.85	A 3	P.M. = 0° 157 in 106° 7
12994	A 1008	A. G. Hels. 3588	23 46	57 0	138.4	3.14	8.4... 12.2	4.91	A 2	
12995	A 1009	DM (70°) 306	24 44	70 31	182.2	0.29	8.4... 9.4	5.13	A 2	
12996	Hu 1081	DM (13°) 692	25 55	13 8	295.0	0.75	8.3... 11.0	4.82	Hu 2	
12997	Hu 1082	DM (38°) 912	28 6	38 56	159.8	0.32	8.7... 9.2	4.91	Hu 2	
12998	Hu 1083	DM (62°) 692	28 27	62 46	144.1	0.24	8.5... 10.5	4.94	Hu 2	B and C (AB = 2 557)
12999	Hu 1084	DM (39°) 1030	28 51	39 32	43.7	0.70	8.3... 8.7	4.91	Hu 2	
13000	A 836	DM (—1°) 669	29 15	— 0 58	201.8	2.22	9.0... 10.0	4.90	A 2	
13001	Hu 1085	DM (62°) 695	30 15	63 1	204.0	3.77	8.0... 12.5	4.86	Hu 2	
13002	A 1010	A. G. Bonn 3733	30 38	44 30	336.2	0.49	8.5... 9.3	5.75	A 3	
13003	A 1011	A. G. Bonn 3738	30 52	44 15	58.4	0.21	8.9... 10.2	5.78	A 3	
13004	A 837	A. G. Nico. 1025	32 13	0 5	343.4	2.20	8.4... 11.0	4.90	A 2	
13005	A 838	DM (72°) 235	32 24	72 37	11.4	0.97	8.7... 9.1	4.86	A 2	
13006	Hu 1086	DM (63°) 526	32 51	63 37	357.6	0.41	9.4... 9.8	4.97	Hu 3	
13007	A 1012	A. G. Chris. 757	33 20	68 54	319.2	1.44	8.5... 10.8	5.13	A 2	
13008	A 839	A. G. Nico. 1039	33 49	— 0 1	302.2	1.86	8.8... 12.0	4.90	A 2	
13009	A 1013	A. G. Hels. 3693	34 38	59 20	311.1	0.46	7.2... 7.2	5.64	A 3	
13010	A 1014	A. G. Hels. 3695	34 38	57 0	296.6	0.25	8.6... 8.6	5.82	A 3	
13011	A 1015	A. G. Hels. 3741	4 37 25	57 5	111.2	1.92	9.0... 11.0	5.79	A 2	A and B }
					269.1	5.00	... 12.2	5.79	A 2	A and C }

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Number	Double Star	Star Catalogue	R. A. 1900	Decl. 1900	Position Angle	Distance	Magnitudes	Epoch 1900+	Observer	Notes
13012	A 1016	DM (84°) 91	4 ^h 41 ^m 42 ^s	84° 14'	203° 3	0.41	9.2... 9.8	5.42	A 2	
13013	Hu 1087	DM (67°) 354	43 40	67 19	110.6	1.33	8.0... 12.5	5.19	Hu 2	
13014	A 1017	A. G. Nico. 1092	44 2	— 0 9	349.0	0.79	9.1... 11.0	5.77	A 3	
13015	Hu 1088	DM (60°) 845	46 8	60 54	158.4	2.58	8.5... 11.8	4.86	Hu 2	
13016	Hu 1089	DM (36°) 962	48 16	36 43	14.1	0.80	9.0... 10.2	4.91	Hu 2	
13017	A 1018	DM (—1°) 751	49 43	— 1 17	234.7	0.41	9.8... 10.0	5.78	A 3	
13018	Hu 1090	DM (63°) 551	49 44	63 13	327.6	0.16	8.5... 8.9	4.94	Hu 2	
13019	Hu 1091	DM (39°) 1112	49 51	39 8	34.8	0.77	8.8... 9.2	4.92	Hu 3	
13020	A 1019	A. G. Nico. 1131	49 58	— 0 42	120.5	0.22	9.2... 9.2	5.78	A 3	A and B
					68.2	4.11	... 9.2	5.78	A 2	AB and C = Σ 614
										= Ho 16 (No. 2422)
13021	Hu 1092	DM (33°) 929	50 34	34 4	19.1	0.63	8.6... 10.5	4.74	Hu 3	
13022	Hu 1093	DM (60°) 853	52 36	60 56	5.7	5.48	7.0... 12.5	4.99	Hu 2	
13023	A 840	DM (74°) 232	53 9	74 17	349.0	1.10	9.0... 10.0	4.86	A 2	
13024	Hu 1094	DM (62°) 724	55 9	62 29	220.5	0.48	9.2... 9.4	4.99	Hu 2	
13025	A 1020	A. G. Hels. 3855	55 52	58 43	226.8	0.34	9.6... 10.2	5.84	A 2	B and C
					115.9	4.73	... 9.2	5.81	A 1	A and BC = Σ 625
13026	A 841	A. G. Kasan 828	56 29	75 33	215.9	0.48	9.0... 9.8	4.88	A 3	B and C
					340.1	48.82	7.3...	4.87	A 1	A and BC
13027	A 1021	DM (—1°) 780	57 9	— 1 2	58.2	0.80	9.5... 9.5	5.82	A 2	
13028	A 1022	A. G. Bonn 4091	57 28	44 49	165.9	0.63	9.1... 9.2	5.75	A 3	A and B
					274.3	8.85	... 13.5	5.73	A 1	AB and C
					322.6	12.20	... 13.7	5.73	A 1	AB and D
13029	A 1023	A. G. Bonn 4097	58 2	46 47	66.9	0.35	6.7... 8.2	5.80	A 3	P.M. = α° 028 in 84° 7' (Gr)
13030	A 1024	A. G. Camb. 2275	58 6	29 29	354.8	0.48	8.1... 8.9	5.02	A 3	
13031	A 1025	A. G. Hels. 3873	58 19	59 12	17.1	0.43	8.4... 9.5	5.86	A 3	
13032	Hu 1095	DM (39°) 1169	58 31	39 54	358.2	0.34	7.8... 9.0	4.91	Hu 2	
13033	Hu 1096	DM (67°) 364	58 32	67 40	265.4	1.17	9.2... 9.3	5.19	Hu 2	
13034	A 1026	A. G. Camb. 2281	58 36	29 50	41.6	1.01	7.8... 11.0	5.02	A 3	
13035	A 1027	A. G. Hels. 3892	5 0 17	58 32	315.6	2.30	8.8... 13.4	5.84	A 2	
13036	A 842	A. G. Kasan 840	0 23	75 20	217.8	1.35	8.7... 11.0	4.88	A 3	B and C
					283.9	49.37	8.5...	4.87	A 1	A and B
13037	Hu 1097	DM (76°) 190	0 30	76 21	113.3	1.51	6.5... 11.0	4.85	Hu 2	P.M. = α° 026 in 90° (Gr)
13038	A 1028	A. G. Camb. 2294	0 38	29 56	244.2	0.42	8.5... 9.1	5.05	A 2	
13039	A 1029	A. G. Hels. 3907	1 50	56 57	11.0	1.50	8.0... 12.0	5.84	A 2	
13040	Hu 1098	DM (61°) 763	3 12	61 20	110.8	0.89	8.9... 9.1	4.99	Hu 2	
13041	Hu 1099	DM (64°) 504	3 15	64 37	43.8	0.52	8.6... 8.9	5.19	Hu 2	
13042	Hu 1100	DM (39°) 1215	6 59	39 51	306.3	3.57	9.0... 11.0	4.91	Hu 2	
13043	A 1030	A. G. Hels. 3950	7 40	57 15	227.8	0.62	8.8... 11.8	5.89	A 2	
13044	A 1031	A. G. Bonn 4255	7 46	47 3	349.2	0.45	7.0... 10.3	5.82	A 3	
13045	Hu 1101	DM (39°) 1236	10 18	39 21	286.9	0.40	7.0... 9.0	4.91	Hu 2	
13046	Hu 613	DM (32°) 937	11 0	33 1	234.7	2.61	8.5... 12.5	2.63	Hu 3	
13047	A 843	DM (73°) 283	11 2	73 41	30.0	0.68	8.5... 10.8	4.90	A 3	
13048	A 844	A. G. Nico. 1254	11 21	— 1 45	350.7	0.22	8.8... 9.1	4.86	A 3	
13049	A 845	DM (73°) 286	13 19	74 0	126.0	1.42	9.0... 9.8	4.89	A 2	
13050	A 846	DM (74°) 241	14 37	74 28	342.2	0.98	7.0... 10.5	4.90	A 3	P.M. = α° 043 in 18° 4' (Gr)
13051	Hu 614	DM (32°) 957	15 18	32 24	3.5	3.48	8.8... 11.5	2.55	Hu 2	
13052	Hu 1102	DM (39°) 1290	17 23	39 33	28.8	0.57	8.9... 8.9	4.91	Hu 2	(= β 1317)
13053	Hu 1103	DM (66°) 394	17 36	66 36	121.5	1.85	9.1... 13.0	5.19	Hu 2	
13054	Hu 1104	DM (37°) 1178	18 10	37 10	221.2	0.81	8.5... 9.1	4.91	Hu 2	
13055	A 847	A. G. Nico. 1297	18 46	— 0 58	141.5	0.25	8.0... 8.1	4.85	A 3	B and C
					160.5	1.87	7.8...	4.85	A 3	A and BC = No. 2706
13056	A 1032	A. G. Camb. 2445	18 55	30 4	279.5	0.90	8.5... 11.7	5.05	A 2	
13057	A 1033	A. G. Leiden 2052	19 54	30 15	322.2	0.34	9.0... 9.0	5.30	A 3	
13058	Hu 1105	DM (62°) 756	20 20	62 37	239.9	3.06	8.5... 10.0	4.87	Hu 2	
13059	A 848	A. G. Nico. 1302	20 25	— 0 38	35.6	0.22	7.5... 8.1	4.88	A 3	
13060	A 1034	DM (70°) 355	5 20 48	70 44	271.4	0.32	8.1... 8.6	5.77	A 2	

Appendix

Number	Double Star	Star Catalogue	R. A. 1900	Decl. 1900	Position Angle	Distance	Magnitude	Epoch 1900+	Observer	Notes
13061	A 1035	A. G. Leiden 2097	5 ^h 22 ^m 57 ^s	31° 21'	120° 0	0.98	8.5...10.5	5.05	A 2	
13062	A 849	A. G. Nico. 1336	23 52	— 1 51	94.1	0.68	9.0...10.2	4.83	A 2	
13063	Hu 1106	DM (38°) 1190	24 14	38 29	339.4	2.13	8.8...11.2	4.91	Hu 2	
13064	A 850	A. G. Nico. 1346	24 36	— 0 53	155.0	2.14	8.1...12.5	4.83	A 2	
13065	A 851	A. G. Nico. 1347	24 38	0 6	307.6	1.72	9.0...13.5	4.83	A 2	
13066	A 852	A. G. Nico. 1355	25 39	— 0 27	164.1	0.25	8.8... 9.3	4.85	A 3	
13067	Hu 1107	DM (64°) 536	27 34	64 5	48.8	1.33	6.5...10.5	5.19	Hu 2	P.M. = 0.076 in 199°5 (Gr)
13068	Hu 1108	DM (39°) 1343	28 5	39 37	150.6	1.37	9.5... 9.7	5.09	Hu 2	
13069	A 1036	A. G. Bonn 4562	28 6	44 52	186.4	3.77	8.5...12.2	5.74	A 2	
13070	A 853	A. G. Nico. 1380	28 45	— 0 9	62.8	0.88	13.7...14.7	4.87	A 2	B and C }
					215.9	21.51	8.8...	4.85	A 1	A and B }
13071	A 1037	DM (73°) 298	29 41	73 56	358.5	0.82	6.8...11.5	4.89	A 2	P.M. = 0.019 in 81°2 (Gr)
13072	A 1038	A. G. Bonn 4630	33 4	44 18	189.8	0.42	9.1... 9.5	5.75	A 3	
13073	Hu 1109	DM (66°) 405	33 21	66 29	158.1	0.24	8.8... 9.6	5.19	Hu 2	A and B (AC = 2 739)
13074	A 1039	A. G. Camb. 2607	35 41	28 11	75.4	0.45	9.0...10.3	5.52	A 3	
13075	Hu 1110	DM (37°) 1306	38 2	37 32	250.3	0.98	8.3...11.5	5.09	Hu 2	
13076	A 1040	A. G. Leiden 2255	38 14	31 16	130.7	0.69	8.2... 9.3	5.52	A 3	
13077	Hu 1111	DM (63°) 605	38 9	63 16	88.8	1.82	8.8...13.3	5.01	Hu 3	
13078	A 1041	A. G. Camb. 2675	39 42	26 4	229.0	0.59	8.9...11.2	5.76	A 3	
13079	Hu 1112	DM (82°) 152	40 18	82 44	322.6	0.23	7.5... 8.2	5.02	Hu 2	
13080	A 1042	A. G. Bonn 4745	42 11	44 15	304.9	4.00	9.0...14.1	5.77	A 2	A and B }
					133.6	9.50	...13.2	5.77	A 2	A and C }
13081	A 1043	A. G. Bonn 4751	42 45	45 4	246.0	2.20	7.9...13.5	5.74	A 2	
13082	Hu 1113	DM (60°) 906	43 16	60 50	249.0	1.35	9.2... 9.4	5.01	Hu 2	
13083	A 1044	A. G. Nico. 1478	43 49	— 0 42	312.0	3.76	8.5...12.2	5.80	A 2	
13084	A 1045	A. G. Leiden 2328	45 18	30 43	314.8	0.71	8.2...11.5	5.72	A 2	
13085	Hu 1114	DM (64°) 554	45 59	64 18	264.6	1.40	9.2...10.0	5.19	Hu 2	
13086	A 1046	DM (31°) 1134	48 0	31 8	292.2	3.23	9.0...13.3	5.68	A 3	A and B }
					264.5	9.77	...14.2	5.68	A 3	A and C }
13087	Hu 1115	DM (61°) 839	49 56	61 7	268.3	0.67	8.6... 9.6	5.01	Hu 2	
13088	Hu 1116	DM (63°) 619	51 30	63 37	311.0	1.09	8.8... 9.2	5.06	Hu 2	
13089	A 1047	A. G. Nico. 1508	51 47	— 1 11	319.5	0.76	8.4...10.3	5.81	A 3	
13090	Hu 1117	DM (64°) 557	52 27	64 58	35.1	1.40	8.5...12.2	5.19	Hu 2	
13091	Hu 1118	DM (37°) 1420	6 1 18	37 15	178.9	2.66	9.1... 9.7	5.33	Hu 2	
13092	A 1048	A. G. Nico. 1548	1 19	— 0 57	284.4	2.84	8.0...13.2	5.80	A 2	
13093	A 1049	A. G. Chris. 988	1 44	68 56	34.8	2.48	8.9...11.0	5.77	A 2	
13094	Hu 1119	DM (67°) 420	8 7	67 46	44.6	0.26	8.7...10.0	5.13	Hu 2	
13095	A 667	DM (30°) 1163	8 32	30 55	356.5	1.08	9.6... 9.7	4.45	A 2	
13096	Hu 828	DM (82°) 168	13 39	82 36	104.6	1.17	8.8... 9.0	5.02	Hu 2	
13097	A 1050	DM (73°) 334	15 57	73 2	185.6	1.18	8.9...10.2	5.51	A 3	A and B
					230.7	55.86	...11.0	4.99	A 1	A and C — No. 3381
13098	Hu 829	DM (32°) 1268	16 2	32 48	324.6	2.99	8.0...11.5	4.81	Hu 2	
13099	Hu 830	DM (32°) 1275	17 8	32 23	229.8	0.69	8.7...12.5	4.81	Hu 2	
13100	Hu 831	DM (35°) 1401	18 44	35 47	263.0	0.20	9.0... 9.2	4.73	Hu 2	
13101	Hu 832	DM (33°) 1329	21 50	33 13	4.9	2.46	8.5...14.7	4.81	Hu 2	
13102	A 854	A. G. Nico. 1703	24 39	— 0 2	161.0	2.00	8.5...12.0	4.90	A 2	
13103	A 855	A. G. Nico. 1709	25 28	— 0 19	28.7	2.58	9.0...12.2	4.90	A 2	
13104	A 1051	A. G. Bonn 5361	29 30	44 20	228.8	0.63	9.5... 9.6	5.80	A 3	
13105	A 1052	A. G. Camb. 3354	30 5	25 2	91.0	1.60	9.0...10.5	5.52	A 2	
13106	A 1053	A. G. Camb. 3419	34 18	25 10	346.4	1.00	8.8...10.2	5.52	A 2	
13107	A 1054	A. G. Bonn 5429	34 30	44 7	320.8	1.84	9.2... 9.2	5.85	A 2	
13108	A 1055	A. G. Vienna 2101	36 32	— 7 4	281.1	2.64	7.2...14.5	5.15	A 2	
13109	A 1056	A. G. Vienna 2152	43 19	— 9 41	80.1	0.35	9.4... 9.4	5.85	A 3	
13110	A 1057	A. G. Vienna 2163	43 45	— 8 26	101.0	1.14	9.5... 9.5	5.82	A 2	
13111	A 1058	SD (8°) 1569	44 37	— 8 33	202.2	0.50	9.2...10.2	5.86	A 2	
13112	Hu 833	DM (35°) 1520	6 48 57	35 18	168.7	2.56	9.2...11.8	4.72	A 2	

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Number	Double Star	Star Catalogue	R. A. 1900	Decl. 1900	Position Angle	Distance	Magnitudes	Epoch 1900+	Observer	Notes
13113	A 1059	DM (85°) 105	6 ^h 48 ^m 59 ^s	85° 55'	186° 3	0.71	8.2...10.0	5.32	A 2	
13114	Hu 617	DM (50°) 1371	49 1	50 8	139.5	1.13	9.5... 9.5	2.99	Hu 2	
13115	Hu 834	DM (66°) 476	50 0	66 30	13.0	1.18	9.1...10.8	5.13	Hu 2	
13116	A 1060	A. G. Vienna 2243	50 32	— 6 17	293.2	0.51	9.0...10.5	5.86	A 2	A and B
13117	A 1061	A. G. Camb. 3646	53 13	25 22	313.8	0.27	8.2... 8.5	4.95	A 2	AB and C = Σ 1000
					66.8	22.29	... 9.0	4.94	A 1	
13118	A 1062	A. G. Vienna 2321	54 49	— 8 15	154.3	0.72	8.4... 9.6	5.15	A 2	
13119	Hu 835	DM (77°) 272	54 52	77 53	338.4	0.82	9.0... 9.4	4.85	Hu 2	A and B }
13120	A 1063	SD (8°) 1666	55 48	— 8 44	225.6	2.42	9.4...13.5	5.48	A 2	A and C }
					254.2	6.76	...10.0	5.48	A 2	
13121	A 1064	A. G. Berlin B 2750	57 55	24 23	174.6	4.90	8.3...14.7	4.95	A 2	
13122	A 1065	DM (24°) 1521	59 19	24 53	344.2	0.24	9.5... 9.5	5.24	A 3	
13123	A 1066	SD (7°) 1718	59 30	— 7 44	148.4	1.40	9.3...11.3	5.60	A 3	
13124	Hu 836	DM (33°) 1471	7 0 6	33 13	308.4	1.59	9.1...11.3	3.72	Hu 2	
13125	Hu 837	DM (63°) 692	1 16	63 29	295.2	3.29	8.3...12.8	2.94	Hu 2	
13126	A 1067	A. G. Vienna 2419	1 24	— 9 8	94.2	0.75	8.5...10.0	5.15	A 2	
13127	A 1068	A. G. Bonn 5798	4 22	45 12	123.5	2.72	8.8...11.0	5.58	A 2	
13128	Hu 838	DM (64°) 623	4 25	64 2	63.4	1.92	9.0...13.0	4.94	Hu 3	
13129	Hu 839	DM (82°) 207	4 45	82 53	146.4	0.37	8.9... 9.8	5.02	Hu 2	
13130	Hu 1120	DM (35°) 1570	5 18	35 9	228.0	4.02	8.2...12.8	5.07	Hu 2	
13131	Hu 620	DM (0°) 1913	16 2	0 12	114.9	0.86	8.8... 8.8	1899.11	Hu 2	
13132	Hu 840	DM (65°) 572	17 10	65 8	88.8	0.97	8.0...11.7	5.02	Hu 3	
13133	A 1069	A. G. Kasan 1354	18 56	75 32	349.9	0.51	8.0... 9.4	5.28	A 3	
13134	A 1070	DM (72°) 367	23 10	72 40	206.4	1.72	8.8...11.0	5.26	A 2	
13135	A 673	A. G. Leiden 3165	24 34	30 47	341.5	0.38	8.7... 8.8	4.27	A 2	
13136	Hu 841	DM (66°) 518	30 17	66 16	119.5	0.31	9.0... 9.0	4.94	Hu 2	AB (AC = Σ 1118 ref.)
13137	Hu 842	DM (39°) 1978	30 39	39 5	16.3	0.42	7.7...10.0	4.90	Hu 3	
13138	A 1071	A. G. Vienna 2763	32 7	— 8 32	354.5	1.64	8.9... 9.0	5.15	A 2	
13139	Hu 843	DM (65°) 585	33 19	65 14	79.9	0.65	8.1...10.8	5.04	Hu 3	
13140	Hu 1121	DM (62°) 950	34 24	62 46	132.6	0.70	8.2...12.0	5.21	Hu 2	
13141	Hu 844	SD (16°) 2100	39 36	—16 41	140.1	0.24	8.0... 8.5	4.81	Hu 3	
13142	Hu 845	DM (21°) 1683	41 7	20 59	143.0	0.39	8.0...11.0	4.77	Hu 2	
13143	Hu 846	DM (66°) 530	46 53	66 49	332.3	0.50	8.8... 9.5	4.94	Hu 2	
13144	A 1072	A. G. Hels. 5277	47 16	58 46	329.9	0.30	8.6... 8.7	5.90	A 3	
13145	A 675	A. G. Leiden 3322	48 16	31 15	121.8	0.40	8.7... 9.1	4.27	A 2	
13146	Hu 847	DM (20°) 1958	52 23	20 26	24.6	0.49	9.0... 9.8	4.77	Hu 2	
13147	A 1073	A. G. Hels. 5357	56 43	58 42	128.3	0.36	8.7... 9.1	5.90	A 3	
13148	Hu 848	DM (14°) 1811	57 49	13 57	154.5	1.89	7.8...13.0	5.11	Hu 2	
13149	A 1074	DM (74°) 348	59 23	74 39	32.9	0.45	8.0... 9.0	5.28	A 3	
13150	Hu 623	SD (13°) 2381	8 0 52	—13 17	63.5	5.32	7.5...13.0	0.22	Hu 2	
13151	A 1075	A. G. Hels. 5389	0 53	58 16	66.3	2.30	8.7...11.0	5.88	A 2	
13152	Hu 849	DM (37°) 1827	2 25	37 31	286.0	1.26	8.8... 9.0	4.93	Hu 2	
13153	Hu 850	DM (37°) 1828	2 48	37 52	1.5	0.73	8.7... 9.1	4.93	Hu 2	
13154	Hu 1122	DM (38°) 1876	4 54	38 25	166.3	2.69	9.0...10.0	5.25	Hu 2	
13155	Hu 851	DM (13°) 1859	6 16	13 45	230.5	2.27	7.6...14.0	5.16	Hu 2	
13156	Hu 1123	DM (36°) 1769	8 18	36 48	161.6	0.47	8.5... 8.8	5.25	Hu 2	
13157	A 1076	A. G. Vienna 3148	11 22	— 7 40	257.5	1.07	8.9...11.2	5.09	A 3	
13158	Hu 1124	DM (49°) 1723	11 45	49 45	109.6	3.50	8.0...12.1	5.01	Hu 2	
13159	Hu 852	DM (36°) 1798	15 10	36 34	359.2	2.01	9.0...12.8	4.93	Hu 2	
13160	Hu 853	DM (65°) 629	15 24	65 13	114.4	0.32	8.8... 9.0	5.13	Hu 2	
13161	Hu 854	DM (65°) 630	15 33	65 48	215.2	1.45	9.2... 9.5	5.13	Hu 2	
13162	Hu 855	DM (13°) 1905	16 54	13 28	227.7	1.03	9.2...10.8	5.11	Hu 2	
13163	A 1077	A. G. Vienna 3197	16 56	— 8 6	89.0	0.42	9.0... 9.0	5.15	A 2	
13164	Hu 856	DM (37°) 1856	18 53	37 43	264.7	0.25	7.5... 8.2	4.93	Hu 2	
13165	A 1078	DM (85°) 127	19 8	85 3	53.1	1.04	9.1... 9.2	5.33	A 3	
13166	A 1079	DM (73°) 424	8 28 33	73 35	350.7	0.23	8.8... 8.8	5.48	A 3	A and B }
					177.8	0.48	...10.0	5.58	A 2	AB and C }

Appendix

Number	Double Star	Star Catalogue	R. A. 1900	Decl. 1900	Position Angle	Distance	Magnitudes	Epoch 1900+	Observer	Notes
13167	Hu 857	DM (15°) 1850	8 ^h 30 ^m 0 ^s	14° 59'	223° 2	4.57	9.0...11.5	4.15	Hu 2	
13168	Hu 858	DM (12°) 1878	32 42	12 19	157.7	0.76	9.1... 9.8	5.15	Hu 2	
13169	Hu 1125	DM (33°) 1770	46 24	32 51	273.5	3.88	6.0...13.5	5.06	Hu 2	
13170	A 1080	A. G. Vienna 3461	48 37	— 6 13	331.0	1.06	8.8...11.0	5.15	A 2	
13171	Hu 859	DM (37°) 1929	50 41	37 38	203.8	0.28	7.9... 9.5	4.95	Hu 4	
13172	Hu 860	DM (37°) 1931	51 40	37 49	12.4	0.34	9.3... 9.8	4.99	Hu 2	
13173	Hu 861	DM (14°) 2007	52 14	14 37	22.7	0.36	8.5... 9.1	5.15	Hu 2	
13174	Hu 862	DM (14°) 2012	54 41	14 14	60.6	0.49	9.0...10.5	4.15	Hu 2	
13175	Hu 863	DM (15°) 1962	56 30	16 59	346.5	1.34	8.6...13.5	5.15	Hu 2	
13176	Hu 864	DM (83°) 240	56 48	83 17	5.0	0.83	9.2... 9.5	5.02	Hu 2	
13177	Hu 865	DM (36°) 1906	59 28	36 31	5.7	0.28	9.4... 9.8	4.99	Hu 2	
13178	Hu 1126	DM (65°) 689	59 47	65 41	37.0	4.01	9.0...11.8	5.21	Hu 2	
13179	Hu 866	DM (12°) 1973	9 2 46	12 21	11.1	2.59	7.5...13.5	5.15	Hu 2	
13180	Hu 867	DM (13°) 2048	4 2	13 46	183.1	2.26	8.0...13.0	5.15	Hu 2	
13181	A 1081	DM (85°) 142	6 51	85 38	245.3	0.24	8.3... 9.2	5.51	A 3	
13182	A 1082	A. G. Vienna 3639	15 44	— 7 16	159.8	0.75	8.8...10.2	5.15	A 3	
13183	Hu 868	DM (14°) 2083	17 36	14 36	54.5	4.18	9.0...13.5	5.17	Hu 2	
13184	A 1083	A. G. Vienna 3649	17 37	— 8 2	59.4	4.05	8.3...11.5	5.14	A 2	
13185	Hu 869	DM (15°) 2043	19 38	15 15	295.2	0.26	9.4... 9.6	5.17	Hu 2	
13186	Hu 871	DM (12°) 2041	23 5	12 38	148.5	1.30	9.0...13.5	5.17	Hu 2	
13187	Hu 870	DM (78°) 312	26 9	78 41	219.9	1.43	8.7...13.5	5.18	Hu 2	
13188	Hu 1127	DM (37°) 2000	27 38	37 0	36.6	0.58	9.0...10.0	5.14	Hu 2	
13189	Hu 1128	11 Leonis Min.	29 41	36 16	35.1	5.85	5.5...14.0	5.14	Hu 2	P.M. = 0° 767 in 250° 9
13190	A 1084	A. G. Chris. 1511	30 18	69 44	247.6	3.27	8.0...15.2	5.23	A 2	(Porter)
13191	Hu 872	DM (12°) 2070	32 18	12 20	330.7	2.41	9.0... 9.5	5.16	Hu 2	(= H 165) See No. 5489
13192	Hu 873	DM (15°) 2093	33 39	15 44	41.6	4.11	8.7...14.0	5.16	Hu 2	
13193	A 1085	DM (70°) 596	59 22	70 21	256.9	0.51	8.5...10.3	5.23	A 3	
13194	Hu 1129	DM (61°) 1170	10 5 40	61 1	309.9	0.66	7.7...12.7	5.10	Hu 3	
13195	Hu 874	DM (14°) 2217	6 16	13 51	289.3	0.22	7.2... 8.0	5.16	Hu 3	
13196	Hu 875	DM (38°) 2125	12 29	38 1	73.5	0.95	7.0... 9.8	5.01	Hu 2	
13197	Hu 876	DM (13°) 2244	16 44	12 56	129.8	2.04	9.0...14.0	5.17	Hu 2	(= β 1321)
13198	Hu 1130	DM (61°) 1188	19 26	61 9	134.1	0.92	8.9...10.5	5.02	Hu 2	
13199	A 1086	A. G. Chris. 1616	19 40	67 53	213.9	1.41	8.5... 9.5	5.26	A 2	
13200	Hu 877	DM (37°) 2076	19 44	37 17	259.3	1.74	8.7...11.5	4.92	Hu 2	
13201	Hu 1131	DM (61°) 1190	20 15	61 21	204.9	0.68	8.9...11.8	5.02	Hu 2	
13202	Hu 878	DM (81°) 341	21 48	81 25	16.9	3.41	9.0...11.5	5.02	Hu 2	
13203	Hu 879	31 Leonis Min.	22 6	37 13	231.0	0.45	4.0... 6.5	4.97	Hu 3	P.M. = 0° 154 in 240° 1
13204	Hu 880	DM (37°) 2090	25 27	37 38	121.4	0.74	9.0... 9.7	4.92	Hu 2	(Auwers)
13205	Hu 881	DM (36°) 2082	27 14	35 54	136.7	4.23	9.0...12.5	5.07	Hu 1	
13206	Hu 1132	DM (64°) 806	34 48	64 46	306.5	0.53	9.2... 9.8	5.24	Hu 2	
13207	Hu 882	DM (37°) 2113	36 50	37 36	281.5	3.40	9.0...12.8	5.01	Hu 2	
13208	Hu 883	DM (80°) 347	50 41	80 13	75.9	3.77	7.5...12.0	5.02	Hu 2	
13209	Hu 884	DM (15°) 2282	58 58	14 47	223.2	4.07	8.0...13.8	5.16	Hu 2	
13210	Hu 885	DM (15°) 2288	11 1 14	14 49	291.6	2.17	8.8... 9.3	5.16	Hu 2	
13211	Hu 886	DM (77°) 423	1 25	76 58	170.9	1.06	9.4... 9.4	5.18	Hu 2	
13212	A 677	A. G. Camb. 5647	3 27	25 12	243.6	4.79	6.0...14.5	4.40	A 2	
13213	A 1087	DM (70°) 651	4 7	70 27	89.5	0.30	8.2... 8.6	5.26	A 3	
13214	Hu 1133	DM (67°) 699	20 44	67 27	356.6	0.46	8.1...10.0	5.24	Hu 2	
13215	Hu 1134	DM (37°) 2192	26 52	36 48	122.2	0.09	7.0... 7.0	5.07	Hu 2	
13216	Hu 887	DM (36°) 2198	29 54	35 57	303.0	1.52	8.2...11.0	5.03	Hu 2	
13217	Hu 888	DM (21°) 2345	37 39	21 38	148.7	0.74	8.4... 8.9	4.42	Hu 2	
13218	Hu 1135	DM (38°) 2271	37 52	37 48	343.1	0.27	8.8... 9.6	5.07	Hu 2	
13219	Hu 889	DM (37°) 2219	45 49	37 27	287.6	0.71	8.8...10.8	5.04	Hu 2	
13220	A 680	A. G. Camb. 5937	52 46	25 31	321.3	0.42	8.4...10.2	4.46	A 2	
13221	A 1088	A. G. Chris. 1843	55 28	69 45	223.3	0.34	7.1... 7.9	5.26	A 3	
13222	Hu 890	DM (12°) 2413	11 56 15	11 53	65.2	1.54	9.0...10.0	5.17	Hu 2	

Burnham: General Catalogue of Double Stars

Number	Double Star	Star Catalogue	R. A. 1900	Decl. 1900	Position Angle	Distance	Magnitudes	Epoch 1900+	Observer	Notes
13223	Hu 1136	DM (63°) 999	12 ^h 0 ^m 37 ^s	63° 30'	223° 2	1.90	6.0...11.4	5.25	Hu 3	P.M. = 0.101 in 216°6 (Gr)
13224	Hu 891	DM (79°) 387	9 5	79 0	12.3	2.63	9.0... 9.1	5.18	Hu 2	
13225	Hu 1137	DM (12°) 2437	9 15	12 23	15.2	1.27	8.8...13.2	5.25	Hu 2	
13226	Hu 1138	DM (12°) 2444	12 49	12 20	3.4	1.32	9.5... 9.9	5.25	Hu 2	
13227	A 1089	A. G. Chris. 1886	18 10	68 44	291.0	0.64	9.0...11.3	5.26	A 3	
13228	A 1090	A. G. Leip. I 4586	23 1	9 53	89.8	1.81	9.0...11.0	5.34	A 2	
13229	A 1091	DM (74°) 501	32 34	73 52	317.0	3.78	9.0...13.2	5.26	A 3	
13230	Hu 892	DM (15°) 2495	37 13	15 4	163.4	0.96	9.3... 9.3	5.17	Hu 2	
13231	Hu 893	DM (13°) 2583	42 57	12 50	32.6	1.42	9.1... 9.1	5.17	Hu 2	
13232	Hu 1139	DM (39°) 2570	45 38	39 19	286.0	4.80	8.8...12.5	5.19	Hu 2	
13233	Hu 1140	DM (60°) 1422	46 41	60 31	245.4	0.73	8.7...11.5	5.27	Hu 2	
13234	Hu 894	DM (13°) 2600	48 18	13 43	146.3	0.98	9.1... 9.1	5.17	Hu 2	
13235	A 1092	DM (70°) 720	51 42	70 26	156.6	0.28	9.2... 9.3	5.26	A 3	
13236	Hu 1141	DM (36°) 2328	55 43	36 18	339.4	0.54	8.8... 9.4	5.29	Hu 2	
13237	Hu 1142	DM (39°) 2591	56 34	39 24	146.9	1.33	9.0...13.2	5.29	Hu 2	
13238	Hu 642	SD (12°) 3747	59 13	-12 44	23.4	0.32	9.5... 9.5	0.42	Hu 2	
13239	Hu 1143	DM (12°) 2552	13 1 26	12 28	95.0	0.97	8.9... 9.6	5.25	Hu 2	
13240	Hu 1144	DM (15°) 2545	1 57	14 49	10.3	1.42	9.0...12.2	5.25	Hu 2	
13241	A 683	A. G. Leiden 4832	2 54	29 59	331.4	3.53	9.0...13.5	4.33	A 3	
13242	Hu 1145	SD (21°) 3664	5 25	-21 40	188.1	1.04	8.8... 9.4	4.88	Hu 2	
13243	A 684	A. G. Nico. 3545	7 48	-1 25	16.0	1.28	9.0...10.2	4.42	A 2	
13244	A 1093	DM (80°) 403	8 57	80 33	131.8	0.25	8.8... 9.2	5.42	A 2	
13245	Hu 1146	DM (37°) 2391	12 52	37 21	43.8	3.80	8.0...12.2	5.25	Hu 2	
13246	Hu 895	DM (81°) 420	18 27	80 49	1.9	0.81	9.4... 9.6	5.18	Hu 2	
13247	A 1094	A. G. Kasan 2397	27 53	76 7	341.1	2.77	9.0...13.2	5.42	A 2	
13248	A 1095	A. G. Leiden 4936	28 57	30 15	176.9	0.31	8.2... 8.8	5.54	A 3	
13249	Hu 896	SD (18°) 3632	28 57	-18 36	11.7	1.47	8.5...10.5	4.44	Hu 2	
13250	A 1096	DM (70°) 746	31 56	70 35	168.9	1.58	8.6...12.5	5.26	A 2	
13251	Hu 897	DM (38°) 2467	35 35	38 29	339.0	0.50	9.0...10.2	5.07	Hu 2	
13252	A 685	A. G. Leiden 5026	47 8	30 30	13.5	0.70	8.5...10.8	4.37	A 3	
13253	Hu 898	SD (18°) 3694	48 29	-18 40	136.1	0.42	8.8... 8.8	4.42	Hu 2	
13254	Hu 1147	DM (37°) 2472	51 52	36 56	70.1	4.91	8.8...12.8	5.22	Hu 2	
13255	A 686	A. G. Leiden 5050	52 12	30 40	157.2	1.34	8.6...13.2	4.37	A 2	
13256	A 687	A. G. Camb. 6686	55 42	28 55	306.6	0.80	9.2... 9.3	4.34	A 3	
13257	A 1097	A. G. Hels. 7801	58 38	57 42	71.5	0.28	7.6... 8.1	5.57	A 2	
13258	Hu 1148	DM (67°) 820	14 0 9	67 35	117.9	0.80	8.0...12.0	5.21	Hu 3	
13259	Hu 1149	DM (37°) 2492	0 56	36 54	348.5	4.21	9.0...13.0	5.22	Hu 2	
13260	A 1098	A. G. Leip. II. 6626	5 24	8 55	232.3	4.61	9.0...11.0	5.34	A 2	
13261	Hu 899	SD (18°) 3764	5 50	-19 1	292.8	1.62	9.0...10.2	4.42	Hu 2	
13262	A 1099	A. G. Leip. I. 5047	7 54	11 32	99.4	0.18	8.3... 8.8	5.37	A 3	A and B AB and C = Σ 1823
13263	A 1100	A. G. Leip. II. 6642	8 55	9 27	173.3	0.28	8.0... 8.9	5.37	A 3	
13264	A 1101	A. G. Leip. I. 5063	10 56	10 46	240.9	0.22	9.0... 9.5	5.37	A 3	
					149.6	3.49	... 9.7	5.34	A 2	
13265	Hu 900	DM (77°) 534	12 30	76 54	230.7	0.52	9.3... 9.7	5.02	Hu 3	
13266	Hu 901	DM (34°) 2515	14 9	34 40	9.0	0.74	8.7...10.0	4.53	Hu 3	
13267	A 1102	A. G. Chris. 2126	16 7	69 42	293.0	0.26	7.6... 7.8	5.37	A 3	
13268	Hu 902	SD (18°) 3804	16 24	-18 20	230.0	1.39	8.8...10.5	4.42	Hu 2	
13269	A 1103	A. G. Leip. I. 5097	18 0	10 11	202.5	4.56	8.8... 9.8	5.56	A 2	
13270	A 1104	A. G. Leip. II. 6677	18 9	7 57	271.6	0.77	9.0... 9.0	5.34	A 2	
13271	Hu 1150	DM (61°) 1424	20 58	61 31	258.0	1.55	9.0...11.2	5.21	Hu 2	
13272	Hu 903	SD (20°) 4030	22 1	-20 22	250.3	2.06	8.9...10.8	4.42	Hu 2	
13273	A 1105	A. G. Leiden 5198	22 57	31 5	191.0	0.87	9.1... 9.4	5.43	A 3	
13274	Hu 904	....	27 5	34 57	169.0	1.69	9.3...12.0	4.13	Hu 3
13275	A 688	A. G. Camb. 6876	28 53	27 51	8.4	0.47	8.7...10.3	4.52	A 3	
13276	A 1106	A. G. Hels. 8019	29 1	58 24	26.7	2.03	8.8...11.0	5.64	A 2	
13277	A 1107	A. G. Leip. II. 6771	14 35 7	5 30	75.3	0.26	8.0... 9.2	5.48	A 3	

Appendix

Number	Double Star	Star Catalogue	R. A. 1900	Decl. 1900	Position Angle	Distance	Magnitude	Epoch 1900+	Observer	Notes
13278	A 1108	A. G. Hels. 8074	14 ^h 37 ^m 23 ^s	59° 6'	123° 2'	3.90	8.4...12.2	5.64	A 2	A and B AB and C AB and D
13279	A 1109	A. G. Leip. II. 6783	37 52	7 1	32.4	0.63	7.3... 9.8	5.48	A 3	
13280	Hu 905	DM (22°) 2744	40 36	22 24	344.0	0.27	9.0...10.8	3.57	Hu 2	
13281	Hu 1151	SD (18°) 3904	43 58	-19 5	54.0	0.50	8.8...10.5	4.86	Hu 2	
13282	A 1110	A. G. Leip. II. 6818	44 48	8 24	274.5	0.22	7.5... 7.6	5.32	A 3	
					202.6	19.84	...11.0	5.29	A 1	A and B AB and C AB and D
					327.1	22.67	...11.5	5.29	A 1	
13283	A 1111	A. G. Leip. I. 5222	44 57	10 43	296.0	2.58	8.9...11.0	5.56	A 2	
13284	Hu 1152	DM (67°) 852	46 30	67 1	55.7	0.95	8.2...12.4	5.24	Hu 2	A and B AB and C AB and D
13285	Hu 1153	DM (15°) 2777	46 57	15 43	281.4	4.45	8.2...12.0	5.33	Hu 3	
13286	A 1112	A. G. Leiden 5302	47 20	30 1	357.3	4.39	8.9...13.3	5.40	A 2	
13287	Hu 1154	SD (15°) 4005	54 15	-15 24	324.9	2.96	8.8...13.5	4.88	Hu 2	
13288	Hu 906	DM (23°) 2755	54 25	23 2	20.0	0.94	9.0...12.5	4.46	Hu 2	
13289	Hu 908	DM (78°) 501	55 25	78 35	266.4	1.18	6.5...10.0	4.91	Hu 2	A and B AB and C AB and D
13290	Hu 907	DM (22°) 2769	55 40	21 53	154.6	0.31	9.0... 9.5	4.46	Hu 2	
13291	Hu 1155	DM (15°) 2806	57 10	15 30	15.4	3.90	9.0...10.5	5.33	Hu 2	
13292	Hu 1156	DM (14°) 2821	57 20	14 26	297.0	3.94	9.0...12.0	5.33	Hu 2	
13293	Hu 1157	SD (17°) 4252	15 1 13	-17 43	67.9	2.72	8.6... 8.6	4.88	Hu 2	
13294	A 689	A. G. Nico. 3865	1 58	- 1 54	315.4	0.27	8.2... 8.9	4.54	A 3	A and B AB and C AB and D
13295	A 1113	A. G. Hels. 8227	2 51	57 30	339.8	0.54	8.8...11.5	5.64	A 2	
13296	A 1114	A. G. Hels. 8228	3 28	59 4	284.4	1.00	9.1... 9.2	5.64	A 2	
13297	A 1115	DM (73°) 656	3 42	73 28	145.1	1.82	9.5... 9.5	5.45	A 2	
13298	A 690	A. G. Camb. 7103	5 44	28 30	1.6	0.82	9.0... 9.5	4.49	A 2	
13299	A 1116	A. G. Leip. I. 5326	6 49	10 30	20.6	0.42	8.1... 8.1	5.45	A 3	A and B AB and C AB and D
13300	Hu 1158	SD (19°) 4054	7 34	-19 53	291.4	0.73	8.5... 9.5	4.88	Hu 2	
13301	Hu 1159	DM (60°) 1594	10 28	60 30	31.1	0.26	8.6... 8.8	5.21	Hu 2	
13302	A 1117	A. G. Leip. II. 6944	12 31	9 45	351.0	0.64	8.2...10.0	5.40	A 3	
13303	A 1118	DM (69°) 790	15 3	69 33	53.8	0.83	9.4...11.2	5.54	A 2	
13304	Hu 1160	DM (15°) 2847	16 4	15 45	223.6	1.85	8.6...11.2	5.33	Hu 2	A and B AB and C AB and D
13305	Hu 1161	DM (67°) 883	18 48	67 22	222.2	1.45	8.0...12.0	5.24	Hu 2	
13306	Hu 909	DM (61°) 1500	21 10	61 21	296.1	1.49	7.5...11.5	5.14	Hu 2	
13307	A 1119	A. G. Leip. II. 6982	21 33	8 43	4.2	1.33	9.2... 9.2	5.32	A 3	
13308	A 1120	A. G. Leip. I. 5397	22 28	10 3	329.7	0.28	8.1... 8.8	5.47	A 3	
13309	Hu 1162	DM (65°) 1054	25 48	65 13	107.0	1.29	9.0... 9.8	5.24	Hu 2	A and B AB and C AB and D
13310	A 1121	DM (74°) 618	26 26	74 49	86.6	3.55	9.0...13.5	5.45	A 2	
13311	Hu 1163	DM (38°) 2668	27 1	38 30	266.4	0.41	8.2... 8.5	5.38	Hu 2	
13312	A 1122	A. G. Leip. I. 5414	27 6	10 0	22.5	0.51	8.5...10.2	5.47	A 3	
					222.0	16.18	... 9.2	5.45	A 2	
13313	Hu 1164	DM (65°) 1057	28 30	65 32	32.0	0.64	8.8... 9.8	5.24	Hu 2	A and B AB and C AB and D
13314	Hu 910	DM (63°) 1208	30 10	63 17	268.9	1.28	9.1... 9.7	5.14	Hu 2	
13315	A 1123	DM (7°) 2986	31 1	7 32	85.7	0.48	9.2... 9.7	5.57	A 3	
13316	Hu 1165	DM (66°) 912	31 42	65 57	247.3	1.53	9.0...12.8	5.24	Hu 2	
13317	Hu 1166	DM (37°) 2661	32 42	37 42	131.0	3.72	8.5...13.2	5.38	Hu 2	
13318	A 1124	A. G. Hels. 8428	33 36	55 51	133.9	1.05	8.6... 9.3	5.66	A 3	A and B AB and C AB and D
13319	Hu 1167	DM (36°) 2626	34 26	36 34	89.2	0.85	7.4...12.5	5.38	Hu 2	
13320	Hu 911	DM (77°) 593	35 5	77 6	256.7	1.20	7.5...11.5	5.97	Hu 2	
13321	Hu 1168	DM (64°) 1081	35 41	64 46	317.8	0.28	8.8... 9.0	5.24	Hu 2	
13322	A 1125	A. G. Leip. II. 7051	37 52	5 28	282.9	1.22	8.4...10.5	4.57	A 3	
13323	Hu 656	SD (18°) 4163	41 14	-18 49	21.4	1.51	8.5... 9.0	4.40	Hu 2	A and B AB and C AB and D
13324	A 1126	A. G. Leip. II. 7091	44 23	5 21	229.5	0.24	8.9... 8.9	5.58	A 2	
13325	A 1127	A. G. Hels. 8514	45 30	59 47	83.3	0.21	8.3... 8.5	5.24	A 3	
13326	A 1128	A. G. Leip. II. 7104	47 12	5 46	347.1	1.39	9.0... 9.8	5.58	A 2	
13327	A 1129	A. G. Leip. II. 7105	47 28	9 0	121.6	3.53	8.8...14.5	5.35	A 3	
13328	Hu 912	DM (60°) 1637	47 30	60 50	137.9	0.28	7.7... 7.8	5.14	Hu 2	A and B AB and C AB and D
13329	A 1130	DM (5°) 3107	49 20	5 46	333.0	1.71	9.0...10.5	5.58	A 2	
13330	A 1131	DM (71°) 752	15 50 24	70 58	347.0	0.77	9.0...12.0	5.60	A 3	

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Number	Double Star	Star Catalogue	R. A. 1900	Decl. 1900	Position Angle	Distance	Magnitude	Epoch 1900+	Observer	Notes
13332	A 1133	A. G. Chris. 2381	15 ^h 50 ^m 37 ^s	69° 0'	231°.4	1'.22	9.2... 9.2	5.60	A 3	
13333	A 856	DM (81°) 530	50 43	81 53	348.6	5.00	8.3...13.0	4.74	A 2	
13334	Hu 913	DM (60°) 1639	51 11	60 24	285.7	1.46	8.8...10.0	5.14	Hu 2	
13335	Hu 914	SD (21°) 4261	57 33	-21 56	338.7	3.19	9.0...10.0	4.42	Hu 2	
13336	A 1134	DM (71°) 762	58 50	71 10	47.2	1.90	7.0...12.0	5.60	A 3	
13337	Hu 1169	DM (64°) 1105	58 53	64 49	63.5	2.90	8.5...11.5	5.20	Hu 2	
13338	Hu 1170	DM (65°) 1096	16 0 14	65 47	144.7	1.02	8.8...12.2	5.22	Hu 3	
13339	Hu 915	DM (61°) 1557	1 55	61 37	308.9	2.28	7.0...11.2	5.14	Hu 2	
13340	A 1135	DM (69°) 833	5 28	69 17	250.4	4.12	9.4... 9.4	5.56	A 2	
13341	Hu 1171	DM (33°) 2697	8 18	33 18	328.3	1.20	9.0...12.0	5.36	Hu 2	
13342	Hu 916	DM (76°) 591	9 13	76 2	174.9	0.54	8.5... 9.0	4.97	Hu 2	
13343	A 1136	DM (72°) 720	14 32	72 2	2.7	0.62	8.3... 8.6	5.69	A 2	
13344	Hu 1172	DM (32°) 2706	14 55	32 8	328.5	1.48	9.1...10.0	5.37	Hu 2	
13345	Hu 661	DM (49°) 2489	14 58	49 32	50.7	0.80	9.0... 9.2	4.38	Hu 2	
13346	A 1137	A. G. Hale. 8760	17 18	57 50	168.2	0.28	8.4... 9.0	5.24	A 3	
13347	A 692	A. G. Nico. 4115	17 57	- 0 37	223.2	3.14	7.0...15.0	4.52	A 3	
13348	Hu 1173	DM (34°) 2799	26 19	34 6	69.2	0.24	8.4... 8.7	5.38	Hu 2	
13349	A 693	A. G. Nico. 4153	26 33	- 2 3	8.3	0.19	8.6... 8.6	4.52	A 3	
13350	A 1138	A. G. Hale. 8855	29 17	58 9	144.8	0.46	9.2...10.2	5.22	A 2	
13351	A 1139	A. G. Hale. 8868	30 32	57 36	87.6	1.95	9.0... 9.6	5.24	A 3	
13352	A 1140	A. G. Hale. 8912	35 56	56 20	119.6	3.50	8.6...12.0	5.64	A 2	
13353	A 1141	A. G. Nico. 4208	40 37	- 0 35	18.8	0.18	8.5... 8.5	5.45	A 3	
13354	Hu 666	DM (23°) 2997	43 10	23 11	205.6	0.56	8.7...12.5	3.35	Hu 2	
13355	Hu 917	DM (77°) 634	47 32	77 41	191.9	3.03	6.0...12.0	4.85	Hu 2	P.M. = 0.198 in 20°0 (Porter)
13356	A 1142	A. G. Leip. I. 5916	52 48	14 53	311.8	1.67	8.7...12.7	5.62	A 2	
13357	A 1143	A. G. Hale. 9055	54 47	57 20	252.4	0.39	9.0... 9.1	5.66	A 3	A and B
					148.2	0.76	9.4... 9.6	5.66	A 3	C and D
					5.0	96.5	...	5.61	A 1	AB and CD
					351.4	45.8	...13.5	5.64	A 2	AB and E
13358	Hu 667	DM (48°) 2461	55 39	48 2	169.4	2.30	8.7...12.5	4.38	Hu 2	
13359	Hu 1174	SD (19°) 4502	57 43	-19 19	79.7	3.66	8.7...12.8	4.88	Hu 2	
13360	A 1144	DM (74°) 695	58 52	74 27	307.4	5.14	7.1...14.0	5.48	A 2	P.M. = 0.108 in 160°7 (Gr)
13361	Hu 1175	SD (18°) 4412	17 1 14	-18 56	213.0	2.33	8.8...10.5	4.88	Hu 2	
13362	A 1145	A. G. Nico. 4274	3 4	- 0 57	240.8	0.44	6.0... 8.0	5.41	A 3	
13363	A 1146	A. G. Chris. 2598	4 26	69 56	316.4	0.27	7.8... 8.3	5.51	A 3	
13364	Hu 1176	DM (36°) 2827	4 29	36 4	111.7	0.12	6.0... 6.0	5.32	Hu 2	
13365	Hu 1177	DM (39°) 3080	6 23	38 57	94.5	3.10	9.0...14.2	5.32	Hu 2	
13366	Hu 918	DM (62°) 1529	6 26	62 36	124.7	0.42	9.1... 9.3	5.17	Hu 2	
13367	Hu 1178	DM (39°) 3086	8 15	39 23	9.5	0.27	8.4... 8.7	5.32	Hu 2	A and B
					83.0	1.11	9.0...13.5	5.32	Hu 2	C and D
13368	A 1147	A. G. Leip. II. 7698	9 22	6 29	344.5	0.33	9.1... 9.3	5.67	A 3	A and B
					316.8	5.05	...14.5	5.67	A 1	AB and C
13369	A 1148	A. G. Leip. II. 7716	12 15	7 32	356.3	1.94	9.0...10.8	5.65	A 2	
13370	Hu 919	DM (78°) 586	14 16	78 42	83.2	0.22	9.5... 9.8	5.00	Hu 2	
13371	Hu 920	DM (62°) 1542	19 7	62 12	266.1	0.71	9.0...12.0	5.17	Hu 2	
13372	A 1149	A. G. Leip. II. 7805	20 14	7 22	119.6	1.12	9.0...10.0	5.65	A 2	
13373	Hu 1179	DM (38°) 2928	20 40	38 40	272.8	0.23	7.0... 7.1	5.38	Hu 2	
13374	Hu 921	DM (64°) 1197	20 46	64 40	201.4	1.42	9.0...12.3	5.17	Hu 2	
13375	A 1150	A. G. Nico. 4323	21 6	- 0 5	117.2	2.47	9.0...14.0	5.45	A 3	
13376	Hu 922	DM (34°) 2962	21 28	34 49	359.5	0.30	9.0... 9.8	4.47	Hu 2	
13377	A 1151	A. G. Hale. 9280	24 42	56 26	211.8	0.52	8.5...11.3	5.58	A 3	
13378	Hu 1180	SD (19°) 4645	24 44	-19 29	71.7	2.25	8.0... 9.2	4.88	Hu 2	
13379	A 1152	A. G. Hale. 9297	26 4	56 14	355.3	0.19	9.1... 9.3	5.66	A 3	
13380	A 1153	A. G. Leip. II. 7890	28 21	7 39	108.2	1.10	9.0...10.8	5.65	A 2	
13381	Hu 1181	DM (34°) 2990	28 59	34 49	331.3	0.18	8.4... 8.7	4.93	Hu 2	
13382	A 1154	DM (71°) 844	17 29 17	71 17	251.1	0.70	8.9... 9.2	5.51	A 3	

Appendix

Number	Double Star	Star Catalogue	R. A. 1900	Decl. 1900	Position Angle	Distance	Magnitude	Epoch 1900+	Observer	Notes
13383	A 1155	DM (74°) 713	17 ^h 31 ^m 21 ^s	74° 34'	334.4	0.43	7.6...10.2	5.54	A 3	
13384	A 1156	A. G. Leip. II. 7932	31 45	7 26	171.6	0.33	8.3... 8.5	5.67	A 2	
13385	Hu 923	DM (49°) 2662	31 50	49 17	99.9	0.98	8.5... 9.0	4.43	Hu 2	
13386	A 1157	A. G. Leip. II. 7956	33 49	6 16	280.4	1.20	8.4... 9.8	5.65	A 2	
13387	A 1158	A. G. Leip. II. 7961	34 5	7 18	109.0	4.42	8.5...12.5	5.65	A 2	
13388	A 1159	A. G. Nico. 4376	34 29	- 1 16	291.7	1.59	9.0...14.0	5.45	A 2	
13389	A 694	A. G. Bonn 11327	35 13	42 45	99.6	1.04	8.8...13.2	4.42	A 3	
13390	A 1160	DM (-0°) 3342	35 28	- 0 40	13.6	1.56	9.5... 9.5	5.45	A 3	
13391	A 695	A. G. Bonn 11343	36 41	41 22	225.8	3.20	8.8... 9.1	4.45	A 2	
13392	A 696	A. G. Bonn 11357	38 15	41 30	176.6	8.08	9.0...11.0	4.43	A 2	A and B }
					306.8	1.80	11.0...11.5	4.43	A 2	B and C }
13393	A 1161	A. G. Leip. II. 8048	41 52	5 36	283.6	0.68	8.3... 9.7	5.67	A 3	
13394	A 1162	A. G. Leip. II. 8050	42 2	6 33	163.2	1.72	8.6...10.0	5.65	A 2	A and B }
					171.2	7.36	...14.0	5.65	A 2	A and C }
13395	A 697	A. G. Bonn 11423	43 59	42 17	93.5	0.46	8.4... 8.5	4.43	A 3	
13396	Hu 924	DM (66°) 1047	44 55	66 30	170.5	0.30	8.8... 9.0	5.17	Hu 2	
13397	Hu 1182	DM (35°) 3074	45 6	35 38	11.7	0.54	8.7... 9.1	5.38	Hu 2	
13398	A 1163	A. G. Leip. II. 8106	46 23	7 43	107.9	0.98	8.7...10.0	5.67	A 3	
13399	A 1164	A. G. Leip. II. 8116	47 6	7 25	38.6	0.16	7.4... 7.8	5.67	A 3	
13400	A 698	A. G. Bonn 11474	47 16	41 14	256.4	3.99	8.7... 9.2	4.44	A 2	
13401	Hu 1183	DM (38°) 3012	47 52	38 22	178.2	0.23	8.8... 9.5	5.38	Hu 2	
13402	A 699	A. G. Bonn 11500	49 10	40 58	47.5	0.18	8.7... 9.4	4.44	A 3	
13403	Hu 1184	DM (32°) 3012	53 10	32 37	199.0	0.76	8.6...12.0	5.38	Hu 2	
13404	A 857	DM (84°) 389	54 23	84 46	51.2	1.92	8.7...12.8	4.64	A 2	
13405	Hu 1185	DM (32°) 3024	55 22	32 29	183.7	0.28	8.8... 9.8	5.38	Hu 2	
13406	Hu 925	DM (67°) 1041	55 26	67 29	329.5	1.91	9.0...10.5	5.17	Hu 2	
13407	A 1165	A. G. Albany 6057	58 27	4 47	34.9	0.97	9.0...10.2	5.65	A 2	
13408	A 1166	DM (-0°) 3409	18 0 16	- 0 19	114.2	0.47	9.4...13.0	5.55	A 2	
13409	A 1167	A. G. Nico. 4488	0 57	0 22	147.0	4.95	8.8...11.0	5.45	A 2	
13410	Hu 1186	DM (38°) 3077	2 55	38 23	308.6	0.16	8.4... 8.5	5.27	Hu 2	
13411	Hu 1187	DM (34°) 3134	5 46	34 30	79.9	1.96	9.0...13.0	4.94	Hu 2	
13412	A 1168	DM (71°) 873	8 41	71 30	309.8	0.47	9.0...11.0	5.50	A 3	
13413	Hu 926	DM (64°) 1248	9 2	64 13	267.8	4.06	9.1... 9.3	5.17	Hu 2	
13414	Hu 1188	DM (35°) 3192	10 54	36 0	114.7	1.80	9.0...14.5	4.94	Hu 2	
13415	Hu 927	DM (32°) 3081	11 24	32 48	130.4	0.34	9.3... 9.3	4.49	Hu 2	
13416	Hu 928	DM (77°) 687	15 36	77 10	158.7	1.70	9.0...12.0	4.80	Hu 3	
13417	A 700	A. G. Bonn 11925	19 33	45 42	322.0	0.49	9.2... 9.3	4.58	A 2	
13418	A 1169	A. G. Chris. 2841	22 16	68 52	313.4	1.06	9.0...10.7	5.47	A 2	
13419	Hu 929	DM (76°) 685	23 48	76 33	113.8	1.80	8.6...11.0	4.80	Hu 3	
13420	Hu 930	DM (76°) 688	25 50	76 56	317.2	1.09	9.0...13.0	4.94	Hu 2	
13421	Hu 1189	DM (37°) 3139	27 16	37 59	212.6	1.24	8.7...13.8	5.28	Hu 2	
13422	Hu 931	DM (65°) 1273	28 19	65 3	248.2	0.67	10.0...10.0	5.17	Hu 2	AB (AC = 2 2343)
13423	Hu 932	DM (62°) 1629	30 26	62 28	90.4	2.86	7.0...12.8	4.52	Hu 3	P.M. = 0.047 in 36°8 (Gr)
13424	A 1170	DM (71°) 898	33 8	71 16	177.3	0.83	9.0...12.2	5.50	A 3	
13425	Hu 1190	DM (37°) 3199	36 29	38 1	172.5	1.71	9.5... 9.5	5.38	Hu 2	
13426	Hu 933	DM (63°) 1443	37 2	63 36	16.9	1.02	8.5...13.0	4.52	Hu 3	
13427	A 858	A. G. Nico. 4662	38 35	- 0 20	322.6	1.10	9.0...14.0	4.67	A 2	
13428	A 859	A. G. Nico. 4664	38 46	- 0 19	15.8	0.25	8.4... 8.8	4.67	A 2	
13429	Hu 934	DM (77°) 702	42 18	77 35	35.9	0.24	7.5... 7.8	4.84	Hu 3	
13430	Hu 935	DM (32°) 3205	42 53	32 4	153.2	3.02	9.0...10.0	4.49	Hu 2	
13431	Hu 1191	DM (38°) 3292	43 11	38 15	279.0	0.22	8.2... 8.7	5.32	Hu 2	
13432	Hu 936	DM (38°) 3212	45 3	33 54	102.1	1.96	8.8... 9.1	4.46	Hu 3	
13433	Hu 937	DM (64°) 1290	45 36	64 5	113.5	0.30	8.4... 8.8	4.52	Hu 2	
13434	A 860	A. G. Nico. 4700	46 5	- 0 44	253.4	0.20	9.1... 9.2	4.74	A 2	
13435	Hu 1192	DM (39°) 3546	46 50	39 55	47.0	2.50	8.8... 9.5	5.32	Hu 2	
13436	A 861	A. G. Nico. 4717	18 49 16	- 1 10	343.8	1.40	8.9...10.0	4.67	A 2	

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Number	Double Star	Star Catalogue	R. A. 1900	Decl. 1900	Position Angle	Distance	Magnitude	Epoch 1900+	Observer	Notes
13437	A 862	A. G. Nico. 4718	18 ^h 49 ^m 25 ^s	— 1° 25'	160° 5	4'.45	8.9...12.5	4.67	A 2	
13437	A 1132	DM (72°) 865	50 25	72 15	126.0	5.08	8.0...13.2	5.47	A 2	(Corrected R. A.)
13438	A 1171	A. G. Nico. 4727	51 8	— 0 56	95.9	0.73	8.0...13.5	5.51	A 3	A and B
					278.5	17.15	...11.0	5.44	A 1	A and C = 2 0224
13439	A 701	A. G. Bonn 12423	51 19	44 16	215.4	2.99	9.0...12.5	4.51	A 2	
13440	A 1172	DM (70°) 1037	54 30	70 28	252.8	4.38	8.6...13.5	5.46	A 2	
13441	Hu 938	DM (64°) 1306	54 35	64 24	216.5	1.84	9.1... 9.5	5.04	Hu 2	
13442	A 702	A. G. Bonn 12488	55 49	44 11	5.9	0.40	9.1... 9.3	4.52	A 3	
13443	Hu 939	DM (62°) 1671	58 40	62 52	45.5	3.96	8.0...13.4	4.52	Hu 3	
13444	Hu 940	DM (33°) 3318	19 1 49	33 43	191.3	0.54	8.7... 9.0	4.47	Hu 2	
13445	A 703	A. G. Bonn 12627	4 12	44 41	189.5	0.49	8.0...10.7	4.49	A 3	
13446	A 863	A. G. Nico. 4796	4 42	— 0 27	122.8	0.40	8.8...10.2	4.74	A 2	
13447	A 1173	A. G. Leip. H. 9063	4 56	8 23	0.6	1.93	8.9...11.2	5.56	A 2	
13448	A 704	A. G. Bonn 12646	5 2	46 43	281.3	1.02	9.0... 9.3	4.53	A 2	
13449	Hu 941	DM (32°) 3354	8 28	32 5	323.1	1.23	7.5...12.8	4.47	Hu 2	
13450	Hu 942	DM (34°) 3461	9 15	35 0	280.7	1.87	8.5...12.8	4.47	Hu 2	
13451	A 1174	DM (72°) 878	9 38	72 42	89.4	0.83	8.8... 9.5	5.50	A 3	
13452	A 1175	A. G. Leip. I. 7123	9 49	10 23	37.4	2.76	8.0...14.0	5.56	A 2	
13453	Hu 943	DM (62°) 1690	9 56	62 14	93.3	0.93	9.0...10.0	4.61	Hu 3	
13454	A 705	A. G. Bonn 12745	10 24	44 33	197.8	94.78	8.6...	4.46	A 1	A and BC
					35.5	0.50	10.5...11.3	4.48	A 2	B and C
					88.8	4.80	...14.0	4.48	A 2	BC and D
13455	A 706	A. G. Bonn 12767	12 3	47 46	251.2	1.35	8.8... 8.9	4.52	A 3	
13456	A 1176	A. G. Leip. H. 9151	12 56	10 4	105.0	1.11	9.0...10.0	5.56	A 2	
13457	A 1177	DM (11°) 3789	13 2	11 36	25.7	0.70	9.1... 9.7	5.54	A 3	
13458	A 1178	A. G. Leip. I. 7192	17 10	10 44	331.0	4.13	7.1...13.2	5.71	A 2	
13459	A 1179	A. G. Leip. H. 9206	18 31	9 19	195.0	0.25	8.4... 9.6	5.66	A 4	B and C
					180.8	8.66	... 8.4	5.63	A 1	A and BC = 2 0320
13460	A 1180	DM (10°) 3883	19 36	10 31	239.1	1.98	9.0...13.7	5.71	A 2	
13461	Hu 1193	DM (39°) 3748	19 36	39 37	68.1	0.75	8.5...11.8	5.32	Hu 2	
13462	A 707	A. G. Heis. 10429	19 45	60 3	156.7	0.61	9.0...10.5	4.52	A 3	
13463	A 708	A. G. Heis. 10440	20 52	56 25	167.0	0.90	8.0...12.5	4.51	A 3	
13464	A 1181	A. G. Leip. I. 7231	22 16	11 52	195.5	0.29	7.0... 9.2	5.59	A 3	
13465	A 709	A. G. Bonn 12963	22 31	46 19	57.3	0.35	9.0... 9.3	4.58	A 3	
13466	A 1182	A. G. Leip. H. 9250	22 45	8 58	295.7	0.68	8.6... 9.4	5.61	A 3	
13467	A 1183	A. G. Nico. 4896	23 33	— 0 49	357.3	2.28	9.0...14.0	5.56	A 3	
13468	Hu 1194	DM (35°) 3637	24 29	35 8	39.1	0.96	9.0... 9.2	4.79	Hu 3	
13469	A 710	A. G. Heis. 10494	25 8	58 51	226.9	0.86	8.5...12.3	4.54	A 3	
13470	Hu 944	DM (66°) 1203	26 3	66 45	354.7	1.60	9.0... 9.8	4.87	Hu 2	
13471	A 1184	A. G. Leip. H. 9296	26 14	8 11	103.0	1.37	8.5... 9.2	5.61	A 3	
13472	A 711	DM (56°) 2248	28 2	56 57	29.2	2.22	9.4...10.8	4.50	A 2	
13473	A 1185	A. G. Leip. H. 9330	28 3	8 18	191.6	3.24	9.2...10.0	5.75	A 2	
13474	A 712	A. G. Heis. 10537	28 12	56 26	89.2	0.16	6.9... 7.4	4.54	A 3	
13475	Hu 945	DM (32°) 3460	28 19	32 8	26.2	1.30	9.0...10.2	4.47	Hu 2	
13476	A 713	A. G. Bonn 13098	28 23	47 16	210.8	0.27	6.9... 7.3	4.58	A 3	
13477	A 714	A. G. Bonn 13121	29 36	45 50	328.1	1.58	8.8... 9.2	4.52	A 3	
13478	Hu 946	DM (33°) 3496	28 39	34 4	240.8	5.25	8.0...10.0	4.47	Hu 2	
13479	Hu 947	DM (61°) 1870	29 1	61 54	160.1	0.44	8.8...11.0	4.64	Hu 2	
13480	Hu 948	DM (32°) 3469	29 21	32 41	163.6	0.42	8.1... 8.9	4.47	Hu 2	
13481	Hu 949	DM (32°) 3473	29 42	32 53	103.3	0.70	8.6... 9.0	4.47	Hu 2	
13482	Hu 951	DM (63°) 1530	29 47	63 24	287.1	0.24	8.8... 9.0	4.61	Hu 3	
13483	Hu 950	DM (34°) 3604	29 48	34 41	148.0	0.44	9.2... 9.2	4.47	Hu 2	
13484	A 1186	A. G. Leip. I. 7317	29 49	10 9	47.9	0.26	8.9... 9.4	5.61	A 3	
13485	A 1187	A. G. Nico. 4922	30 28	— 1 53	157.3	1.44	9.0...14.2	5.59	A 2	
13486	A 1188	A. G. Nico. 4925	30 53	— 0 7	0.6	3.28	8.0...14.2	5.59	A 2	P.M. = 0° 34' in 180° (A.G.)
13487	A 715	A. G. Heis. 10591	19 31 57	59 49	343.1	0.71	9.1...10.2	4.50	A 3	

Appendix

Number	Double Star	Star Catalogue	R. A. 1900	Decl. 1900	Position Angle	Distance	Magnitude	Epoch 1900+	Observer	Notes
13488	Hu 952	SD (19°) 5544	19 33 ^m 12 ^s	-19° 26'	286°3	1.66	9.0...10.8	4.61	Hu 2	
13489	A 1189	A. G. Leip. II. 9441	35 2	8 13	70.6	1.33	9.0...12.0	5.75	A 2	
13490	Hu 953	DM (34°) 3645	35 14	35 1	177.3	1.04	8.6... 9.0	4.47	Hu 3	
13491	A 1190	A. G. Leip. I. 7389	35 33	11 58	197.4	4.74	9.0...11.8	5.75	A 2	
13492	A 864	DM (72°) 904	37 11	72 54	43.6	0.82	8.8... 9.0	4.63	A 2	
13493	Hu 1195	DM (13°) 4122	38 55	13 27	319.8	2.02	8.7...14.5	5.35	Hu 2	
13494	A 716	A. G. Hels. 10710	39 16	57 56	272.7	0.40	8.6...10.3	4.54	A 3	
13495	A 1191	DM (71°) 969	40 27	71 59	251.5	2.90	9.1... 9.1	5.52	A 2	
13496	A 717	SD (2°) 5116	42 13	- 2 3	82.3	0.52	8.7... 9.4	4.52	A 3	
13497	A 1192	A. G. Leip. I. 7478	43 3	10 22	26.6	4.59	8.9...13.2	5.75	A 2	
13498	A 1193	DM (11°) 4045	50 18	11 22	26.8	1.72	9.0...11.8	5.76	A 2	
13499	Hu 954	DM (63°) 1575	51 54	63 36	205.1	0.31	8.9... 9.0	4.54	Hu 2	
13500	Hu 955	DM (63°) 1582	56 40	63 10	337.9	3.13	9.0...11.2	4.54	Hu 2	
13501	A 1194	A. G. Leip. I. 7675	59 17	12 4	308.0	0.78	8.9... 9.0	5.59	A 3	
13502	A 1195	DM (73°) 891	59 34	73 58	295.6	3.93	9.0...13.0	4.63	A 2	
13503	A 1196	A. G. Leip. II. 9815	20 1 45	9 11	242.6	0.22	9.5... 9.7	5.77	A 3	
13504	A 1197	A. G. Camb. 10837	1 48	29 29	344.1	0.34	9.0... 9.5	5.62	A 3	
13505	A 865	A. G. Chris. 3130	1 49	70 10	85.9	2.37	8.0...10.4	4.57	A 2	
13506	Hu 956	DM (76°) 770	1 56	76 14	103.5	0.89	9.0...10.0	4.81	Hu 4	
13507	A 866	A. G. Hels. 11083	3 17	58 6	189.2	0.52	10.2...10.5	4.60	A 2	B and C A and BC }
					179.8	31.05	9.0...	4.58	A 1	
13508	A 1198	A. G. Camb. 10888	4 17	29 32	232.0	1.12	9.0...11.0	5.58	A 2	
13509	A 1199	A. G. Leip. II. 9863	5 13	10 3	240.8	2.75	9.0...11.3	5.64	A 3	
13510	A 721	A. G. Bonn 13815	5 18	46 5	45.0	3.92	8.0...12.2	4.58	A 2	
13511	A 867	DM (72°) 933	5 45	72 42	146.7	2.00	8.0...13.3	4.70	A 3	
13512	A 1200	A. G. Camb. 10971	7 21	28 52	196.9	4.86	7.6...13.8	5.48	A 2	
13513	A 722	A. G. Leip. I. 7782	8 4	11 52	341.1	2.36	9.1... 9.2	4.56	A 2	
13514	A 1201	A. G. Camb. 10996	8 18	28 50	171.8	0.28	9.0... 9.1	5.55	A 3	
13515	A 1202	A. G. Leip. I. 7786	8 34	10 29	121.9	0.60	8.9... 9.5	5.64	A 3	
13516	A 1203	A. G. Camb. 11006	8 50	28 54	175.1	0.32	9.7...10.1	5.72	A 3	B and C A and BC = H 1492
					54.9	18.20	9.2...	5.68	A 1	
13517	A 1204	A. G. Leiden 8078	10 26	31 11	131.5	0.32	8.7... 9.0	5.81	A 3	
13518	A 868	A. G. Nice. 5114	11 47	- 1 48	331.2	0.23	9.1... 9.6	4.62	A 3	
13519	A 1205	A. G. Camb. 11115	14 8	28 54	345.6	0.34	8.9... 9.7	5.81	A 3	
13520	A 1206	A. G. Leip. I. 7850	15 19	10 50	272.5	2.79	9.0...12.0	5.76	A 2	
13521	A 1207	A. G. Camb. 11145	15 29	29 37	356.2	0.44	9.5...10.2	5.83	A 2	
13522	Hu 957	DM (81°) 698	15 32	81 9	148.5	4.93	8.6...11.8	4.84	Hu 2	
13523	Hu 1196	DM (12°) 4297	15 57	12 30	323.2	0.40	9.0...10.0	5.35	Hu 2	A and B A and C }
					304.4	3.44	...13.5	5.35	Hu 2	
13524	Hu 1197	DM (13°) 4371	17 15	13 16	304.9	1.05	7.2...13.8	5.35	Hu 2	
13525	A 1208	A. G. Leiden 8179	18 9	30 56	151.5	0.35	9.0... 9.2	5.84	A 3	
13526	Hu 958	DM (62°) 1803	18 32	62 17	345.5	0.92	9.0...10.0	4.49	Hu 2	
13527	Hu 1198	DM (12°) 4318	19 41	12 41	32.9	0.59	8.4... 9.2	5.35	Hu 2	
13528	A 1209	A. G. Leip. I. 7898	19 42	11 53	324.0	1.80	8.5...11.2	5.76	A 2	
13529	A 724	A. G. Hels. 11268	16 46	59 55	125.5	0.98	9.1... 9.8	4.50	A 3	
13530	A 729	DM (57°) 2187	21 57	57 47	249.8	2.64	9.0...11.0	4.58	A 2	
13531	A 869	A. G. Kasan 3509	22 13	75 46	268.8	1.88	9.1... 9.5	4.65	A 2	
13532	A 870	DM (73°) 905	22 46	73 26	239.8	0.51	9.3...10.2	4.76	A 2	
13533	A 871	DM (72°) 955	27 58	72 25	95.2	0.32	8.7... 9.1	4.70	A 3	
13534	A 872	A. G. Hels. 11437	28 46	56 53	190.5	0.29	9.2... 9.6	4.60	A 3	
13535	A 736	A. G. Bonn 14361	28 56	46 28	343.8	0.46	8.9...10.0	4.57	A 3	
13536	A 739	A. G. Hels. 11469	30 33	56 51	193.8	4.31	9.0...11.7	4.50	A 3	
13537	A 740	A. G. Bonn 14405	30 35	45 19	314.1	0.77	8.7... 9.7	4.57	A 3	
13538	A 741	A. G. Hels. 11497	33 12	57 47	150.6	1.32	8.2...11.5	4.51	A 2	
13539	A 873	A. G. Chris. 3205	35 1	70 9	29.1	0.40	9.2... 9.7	4.63	A 3	
13540	A 745	A. G. Hels. 11528	20 35 36	56 16	319.0	2.14	8.8...11.6	4.50	A 3	

Burnham: General Catalogue of Double Stars

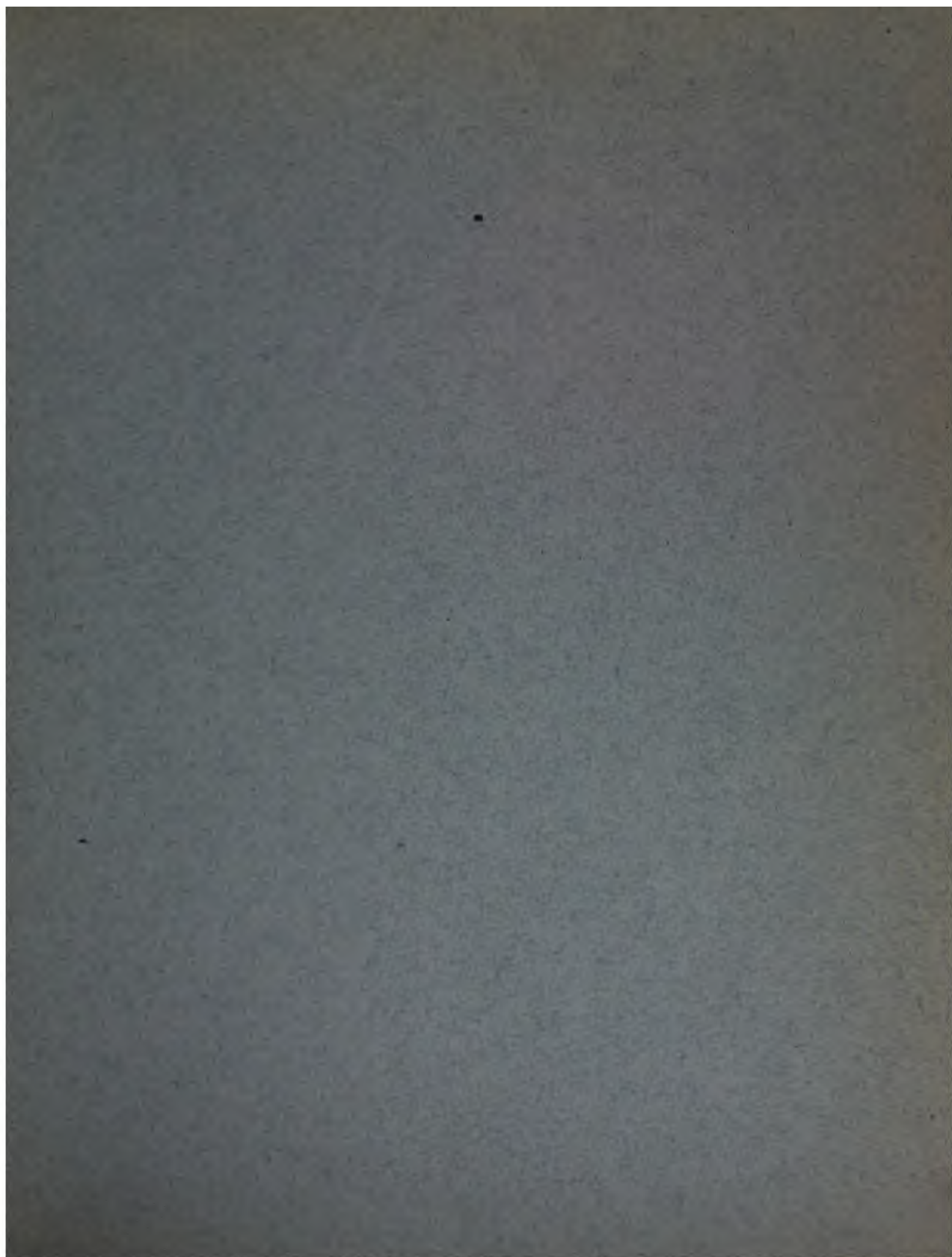
Number	Double Star	Star Catalogue	R. A. 1900	Decl. 1900	Position Angle	Distance	Magnitude	Epoch 1900+	Observer	Notes
13541	A 874	A. G. Nico. 5241	20 ^h 35 ^m 46 ^s	— 0° 57'	341° 2	1.60	8.8...12.5	4.61	A 2	
13542	Hu 1199	DM (13°) 4491	37 12	13 57	227.3	0.69	7.5...12.0	5.35	Hu 2	
13543	A 875	DM (11°) 4364	39 37	11 43	208.6	2.30	9.1...10.8	4.56	A 2	
13544	A 876	A. G. Nico. 5264	40 20	0 1	68.2	0.56	8.9... 9.5	4.66	A 3	
13545	A 749	A. G. Bonn 14612	40 28	47 11	322.7	0.43	9.1... 9.4	4.59	A 3	
13546	A 1210	A. G. Leip. II. 10332	40 51	8 16	248.5	3.86	9.0...10.8	5.56	A 2	
13547	A 1211	A. G. Leiden 8456	41 24	30 40	238.7	2.96	8.5...14.2	5.48	A 2	
13548	A 1212	A. G. Leip. II. 10422	47 18	9 52	23.0	0.53	8.6... 9.1	5.59	A 3	
13549	A 1213	A. G. Leiden 8543	48 8	31 26	203.0	3.42	8.5...13.8	5.48	A 2	
13550	A 1214	A. G. Leip. II. 10438	48 25	8 56	217.7	3.44	8.7...12.3	5.57	A 3	
13551	A 750	A. G. Bonn 14787	49 19	45 44	249.7	0.30	8.5... 9.3	4.56	A 3	
13552	A 877	A. G. Nico. 5303	49 28	— 1 5	41.8	0.45	9.0... 9.5	4.66	A 3	
13553	A 753	A. G. Bonn 14873	52 44	45 52	250.0	0.81	9.1... 9.5	4.56	A 3	AC 267°: 8"
13554	A 1215	A. G. Leip. I. 8255	53 23	10 15	172.5	0.47	8.5... 9.7	5.63	A 3	
13555	A 1216	A. G. Chris. 3252	53 38	69 34	92.4	0.76	9.8...11.0	4.66	A 2	C and D
					351.2	41.35	7.5...	4.65	A 1	A and C
					339.6	21.57	...14.5	4.65	A 1	A and B
13556	A 878	DM (74°) 898	21 0 0	74 31	45.8	2.62	8.6...12.0	4.64	A 3	
13557	Hu 959	DM (66°) 1350	0 2	66 19	152.7	1.47	7.7... 9.0	4.66	Hu 2	P.M. = 0° 017 in 93° 3 (Gr)
13558	A 879	DM (73°) 922	0 4	73 53	140.3	4.06	7.5...12.8	4.63	A 3	
13559	A 880	DM (72°) 974	1 8	72 35	45.9	0.41	9.1... 9.2	4.67	A 3	
13560	A 1217	A. G. Leip. II. 10569	1 12	8 13	194.0	1.76	8.8...13.2	5.64	A 2	
13561	A 881	A. G. Bonn 15091	3 38	44 16	218.8	4.14	7.5...12.0	4.56	A 2	
13562	A 759	A. G. Bonn 15101	4 9	46 54	41.4	5.18	8.6...12.8	4.57	A 3	
13563	A 761	A. G. Bonn 15154	6 31	47 20	59.5	0.32	9.0...10.2	4.58	A 3	
13564	A 882	A. G. Bonn 15163	7 8	43 53	231.6	2.25	7.8...14.0	4.60	A 2	
13565	Hu 960	DM (65°) 1556	9 15	65 24	39.4	3.48	9.0...11.3	4.74	Hu 3	
13566	A 883	A. G. Nico. 5402	9 32	— 1 15	43.8	0.14	7.6... 7.8	4.71	A 3	A and B
					177.7	21.27	...10.5	4.67	A 1	AB and C = 2 2775
13567	A 884	A. G. Bonn 15220	9 48	46 30	186.4	0.37	8.6... 8.7	4.62	A 3	
13568	Hu 961	DM (14°) 4576	11 57	14 34	17.0	2.19	9.2...10.2	4.66	Hu 2	
13569	A 885	A. G. Bonn 15298	13 14	44 31	164.5	4.14	8.7...13.5	4.60	A 2	
13570	Hu 962	DM (13°) 4674	14 50	13 56	50.7	0.32	8.5...11.5	4.66	Hu 2	
13571	A 886	A. G. Nico. 5442	18 37	0 8	341.4	2.48	8.9...13.0	4.68	A 2	
13572	A 1218	A. G. Leiden 8890	19 8	30 50	21.0	3.36	8.8...11.7	5.69	A 2	
13573	A 1219	A. G. Camb. 12465	20 13	29 49	123.8	1.49	9.3... 9.4	5.69	A 2	
13574	A 887	A. G. Leip. I. 8489	20 36	10 55	110.8	0.25	8.5... 9.1	4.71	A 3	AC 312°: 4 : 10' 5
13575	A 1220	A. G. Leiden 8910	20 53	31 3	148.4	1.38	8.5... 9.0	5.69	A 2	
13576	A 1221	A. G. Leiden 8929	22 29	30 24	47.4	1.06	9.0...12.3	5.69	A 2	
13577	Hu 963	DM (13°) 4721	24 53	13 29	208.5	0.78	8.5...11.8	4.67	Hu 3	
13578	A 888	A. G. Nico. 5462	25 35	— 0 21	77.0	0.66	9.3... 9.5	4.72	A 3	
13579	Hu 964	DM (66°) 1407	27 25	66 37	276.6	1.53	6.0...12.2	4.66	Hu 2	
13580	Hu 965	SD (19°) 6128	29 57	—19 13	356.8	1.49	8.3... 9.0	4.75	Hu 2	(= No. 1106a)
13581	Hu 966	DM (64°) 1566	31 27	64 28	21.9	0.51	8.5...11.7	4.74	Hu 3	
13582	Hu 967	SD (21°) 6076	37 23	—20 52	60.3	3.35	8.5... 9.8	4.75	Hu 2	(= No. 1118a)
13583	Hu 968	DM (67°) 1343	38 23	67 56	144.1	1.22	8.5...10.0	4.82	Hu 2	
13584	A 1222	A. G. Leiden 9097	38 46	31 21	358.6	0.48	9.2... 9.4	5.55	A 3	
13585	A 1223	A. G. Leip. I. 8665	41 3	11 25	48.8	0.15	8.8... 9.2	5.53	A 3	A and B
					348.8	1.60	...14.8	5.53	A 2	AB and C
13586	Hu 969	DM (60°) 2285	41 24	60 27	324.5	2.57	7.5...12.5	4.62	Hu 3	
13587	A 1224	A. G. Leip. I. 8674	43 8	11 18	351.2	3.27	8.7...14.2	5.55	A 2	
13588	A 773	A. G. Bonn 15970	43 15	47 31	200.2	3.08	7.6...11.8	4.54	A 2	
13589	Hu 970	DM (67°) 1357	43 22	67 17	282.9	0.23	8.4... 8.8	4.82	Hu 2	
13590	Hu 971	DM (61°) 2199	44 55	61 36	136.7	0.21	8.5... 9.4	4.61	A 2	88°: 9' 1 AC
13591	A 889	A. G. Camb. 12951	46 33	28 42	57.5	0.24	9.0...10.0	4.60	A 3	
13592	A 774	A. G. Bonn 16045	21 47 14	46 43	34.0	0.36	8.5... 9.7	4.56	A 3	

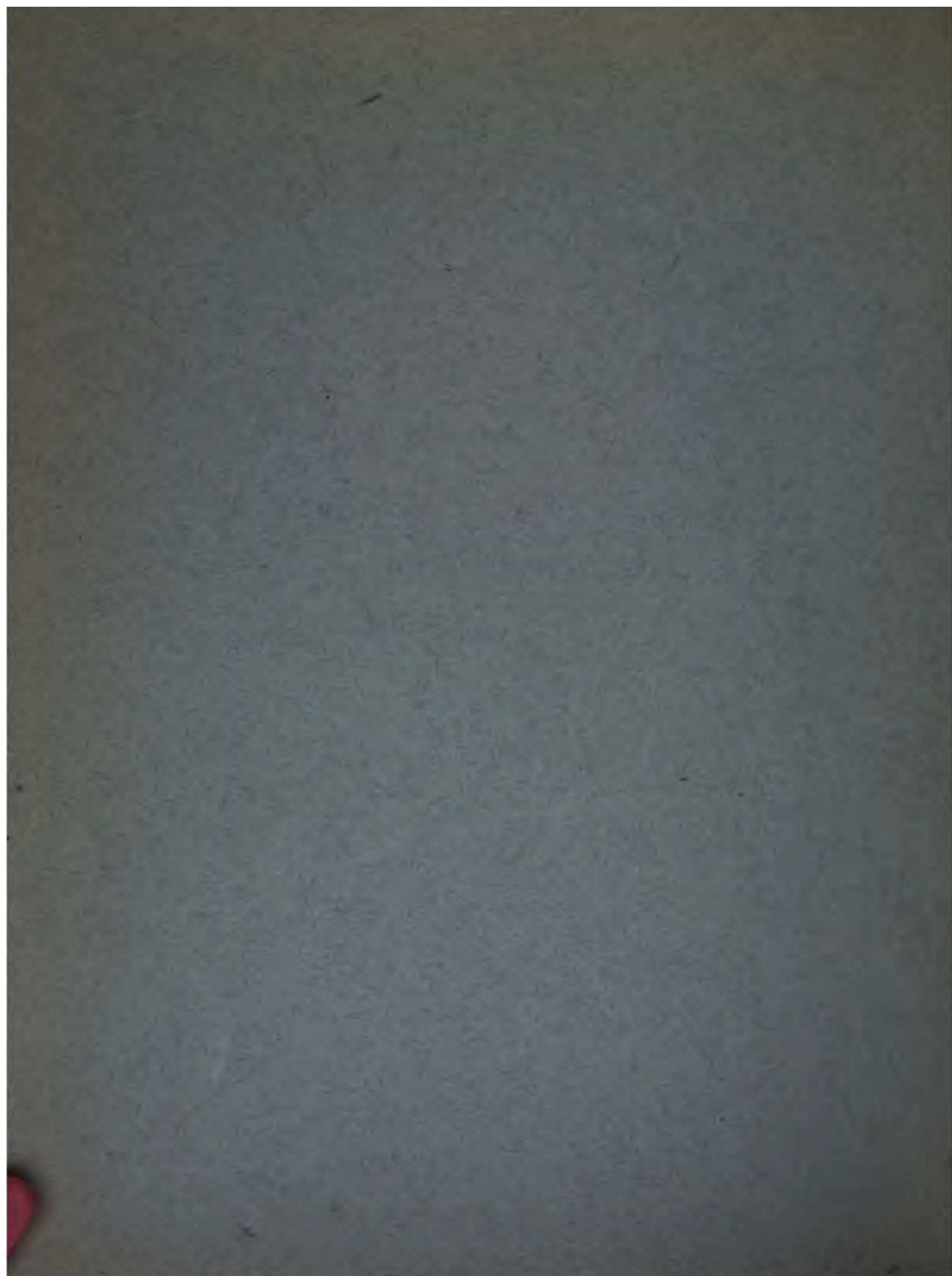
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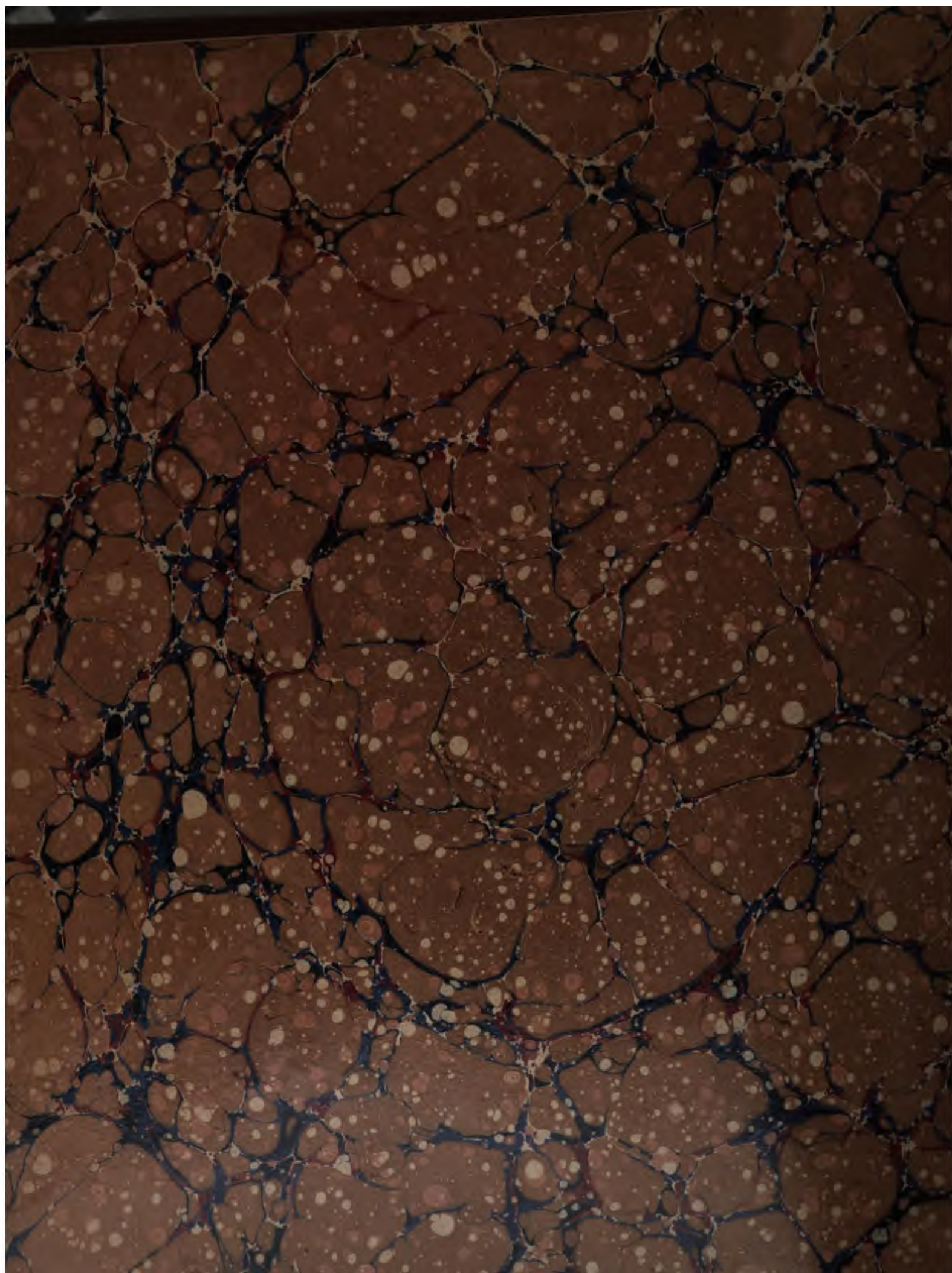
Number	Double Star	Star Catalogue	R. A. 1900	Decl. 1900	Position Angle	Distance	Magnitude	Epoch 1900 +	Observer	Notes
13593	A 1225	DM (71°) 1092	21 ^h 48 ^m 42 ^s	71° 18'	164.6	0.66	8.4...10.3	4.60	A 3	(See No. 11328)
13594	Hu 972	DM (66°) 1446	48 44	66 22	302.7	0.33	8.2... 9.0	4.82	Hu 2	
13595	A 890	DM (46°) 3485	50 46	47 1	233.6	1.10	9.3...13.5	4.61	A 2	
13596	A 891	A. G. Nico. 5537	52 33	— 1 6	56.9	0.39	8.7... 8.9	4.78	A 3	
13597	A 1226	A. G. Leiden 9225	52 54	32 12	348.7	0.25	8.4... 8.6	5.73	A 3	
13598	Hu 973	DM (61°) 2223	53 31	61 47	60.4	0.25	9.3... 9.4	4.62	Hu 2	
13599	Hu 974	DM (64°) 1608	53 31	65 11	104.7	4.61	8.8...12.2	4.66	Hu 2	
13600	A 775	DM (85°) 371	55 48	85 26	206.8	2.65	8.7...12.0	4.56	A 2	
13601	A 776	DM (44°) 4011	55 48	44 32	292.0	3.73	9.2...11.0	4.53	A 2	
13602	Hu 975	DM (63°) 1794	56 15	63 31	214.2	0.27	8.8... 9.5	4.62	Hu 2	A and B }
					135.0	1.93	...10.5	4.62	Hu 2	A and C }
13603	A 777	DM (45°) 3754	56 16	45 16	80.0	2.18	9.2...10.8	4.53	A 2	
13604	A 892	A. G. Kasan 3821	56 40	75 37	228.7	1.14	9.0...13.3	4.64	A 3	
13605	A 780	A. G. Bonn 16255	57 18	44 46	145.1	1.38	8.8... 9.1	4.56	A 3	A and B }
					115.5	1.00	9.7...12.2	4.56	A 3	C and D }
					96.7	64.50		4.52	A 1	A and C }
13606	Hu 976	DM (62°) 2016	57 52	62 21	40.7	1.57	9.0... 9.0	4.62	Hu 3	
13607	A 781	A. G. Bonn 16291	58 56	46 48	201.8	2.58	8.8...10.0	4.53	A 2	
13608	A 1227	A. G. Leiden 9298	22 0 21	30 18	205.2	2.31	8.6...13.2	4.65	A 2	
13609	A 893	A. G. Camb. 13169	0 33	29 23	243.0	0.20	8.5... 9.5	4.81	A 3	
13610	Hu 977	DM (64°) 1622	2 1	65 9	305.2	0.23	8.3... 8.8	4.66	Hu 2	P.M. = 0.028 in 205°6 (Gr)
13611	A 894	DM (72°) 1015	2 41	72 42	136.7	0.35	9.1... 9.4	4.64	A 3	
13612	A 1228	A. G. Leiden 9351	7 10	31 19	351.2	3.44	9.0...10.8	5.62	A 2	
13613	Hu 978	DM (13°) 4869	7 53	13 25	226.5	0.72	8.5... 9.0	1.82	Hu 2	
13614	A 1229	A. G. Nico. 5599	9 7	— 1 55	166.8	1.49	9.0...12.5	5.79	A 2	
13615	A 1230	A. G. Leiden 9382	10 5	31 4	278.8	2.20	8.0...14.0	5.62	A 2	
13616	A 895	DM (71°) 1116	11 52	71 58	179.7	1.13	8.0...11.2	4.58	A 3	P.M. = 0.030 in 35°6 (Gr)
13617	Hu 979	DM (51°) 3335	16 0	51 47	47.0	0.62	9.0...10.8	4.80	Hu 2	
13618	Hu 980	DM (50°) 3669	16 4	50 45	40.8	2.74	8.4...14.0	4.80	Hu 2	
13619	A 1231	A. G. Leip. I. 8965	22 11	10 46	258.7	1.29	8.4...13.7	5.52	A 3	
13620	Hu 981	DM (60°) 2403	27 0	61 7	254.0	0.10	7.5... 7.7	4.70	Hu 2	P.M. = 0.026 in 64°6 (Gr)
13621	Hu 982	DM (13°) 4944	30 17	14 6	214.8	0.80	7.0...10.5	4.70	Hu 2	
13622	Hu 983	DM (65°) 1782	30 36	65 19	153.9	0.22	7.4... 7.7	4.68	Hu 2	
13623	A 1232	A. G. Leiden 9581	32 8	30 52	332.0	1.20	8.0...12.0	5.55	A 4	
13624	A 784	A. G. Kasan 3954	35 35	76 13	43.1	0.28	8.9... 9.0	4.60	A 3	
13625	A 1233	A. G. Nico. 5703	37 16	— 1 19	170.3	0.26	8.9... 8.9	5.78	A 3	
13626	Hu 984	DM (65°) 1805	42 48	65 44	21.2	0.61	9.0... 9.0	4.65	Hu 3	
13627	Hu 985	DM (12°) 4888	42 56	12 27	213.6	0.61	8.8... 9.8	4.70	Hu 2	
13628	Hu 986	DM (60°) 2444	46 2	60 47	292.6	0.84	9.5... 9.5	4.64	Hu 2	
13629	A 1234	A. G. Nico. 5743	49 58	— 1 34	62.7	0.97	8.9... 9.8	5.78	A 3	
13630	Hu 987	DM (15°) 4729	50 46	15 15	246.5	0.65	8.6... 8.8	4.70	Hu 2	
13631	Hu 988	DM (66°) 1563	52 31	66 17	165.7	0.92	8.4...12.2	4.59	Hu 2	
13632	Hu 989	DM (12°) 4919	52 57	13 4	76.2	0.37	7.5...10.0	4.70	Hu 2	
13633	A 1235	A. G. Nico. 5749	53 13	— 1 6	12.5	1.38	9.1... 9.1	5.78	A 3	
13634	A 1236	DM (—0°) 4438	53 21	— 0 31	345.1	0.83	9.3...11.0	5.78	A 3	
13635	Hu 990	DM (61°) 2374	53 36	61 50	287.7	1.04	8.0...11.0	4.64	Hu 2	
13636	A 1237	A. G. Leip. I. 9183	56 0	11 29	156.8	3.22	8.2...13.5	5.55	A 2	
13637	Hu 991	DM (34°) 4818	56 12	34 50	24.5	0.97	9.0...10.2	4.64	Hu 2	
13638	Hu 992	DM (14°) 4921	57 20	14 50	181.7	2.88	9.0...13.0	4.70	Hu 2	
13639	Hu 993	DM (67°) 1493	57 57	67 15	220.9	1.96	7.9...10.2	4.59	Hu 2	
13640	Hu 1200	DM (63°) 1918	58 46	63 35	179.3	0.31	9.0...11.5	4.66	Hu 3	
13641	Hu 994	DM (62°) 2171	23 3 43	63 5	306.0	0.22	6.3... 6.8	4.63	Hu 3	
13642	Hu 995	DM (14°) 4935	3 44	15 0	186.5	1.34	9.0... 9.7	4.70	Hu 2	
13643	A 1238	A. G. Leip. I. 9223	23 3 46	10 25	228.1	0.25	7.4... 7.6	5.57	A 3	A and B }
					299.2	1.10	10.9...10.9	5.58	A 2	C and D }
					295.0	70.3	...	5.57	A 1	AB and CD }

Burnham: General Catalogue of Double Stars

Number	Star Catalogue	Star Catalogue	R. A. 1900	Decl. 1900	Position Angle	Distance	Magnitude	Epoch 1900+	Observer	Notes
13644	Hu 996	DM (66°) 1592	23 ^h 7 ^m 56 ^s	67° 3'	211° 1	2' 52	8.5... 9.1	4.59	Hu 2	A and B } (- No. 12479) AB and C }
13645	Hu 997	DM (60°) 2526	17 39	60 47	153.3	0.35	9.0...10.2	4.64	Hu 2	
13646	A 1239	A. G. Leip. I. 9319	23 37	11 24	53.9	1.93	9.0...10.2	5.55	A 2	
13647	A 896	A. G. Nico. 5831	23 39	- 1 23	70.7	0.55	7.5...10.0	4.81	A 3	
13648	Hu 998	DM (14°) 4998	23 49	14 39	198.2	0.41	9.0...10.0	4.70	Hu 2	
13649	Hu 999	DM (13°) 5122	25 8	13 25	142.7	1.74	9.2... 9.7	4.70	Hu 2	
13650	Hu 1000	DM (61°) 2466	26 45	61 33	185.6	0.87	8.2...10.7	4.66	Hu 2	
13651	A 897	DM (72°) 1107	27 41	72 44	114.9	0.43	8.9... 9.6	4.62	A 2	
13652	A 1240	A. G. Leiden 10014	31 14	31 53	350.8	1.84	9.0...13.0	4.88	A 2	
13653	A 1241	A. G. Leip. I. 9381	32 58	12 20	317.4	0.34	8.5... 9.5	5.58	A 4	
					228.7	19.45	...11.0	5.55	A 1	
13654	A 898	DM (72°) 1111	34 11	73 5	138.0	1.66	8.8...11.0	4.62	A 3	
13655	A 1242	A. G. Leip. I. 9410	38 0	11 17	265.7	0.52	9.0... 9.0	5.62	A 3	
13656	A 1243	A. G. Leiden 10078	40 55	31 36	219.0	4.84	9.0...13.0	4.94	A 2	
13657	A 1244	A. G. Camb 14272	42 12	30 10	271.2	2.52	9.0...10.2	5.69	A 2	
13658	A 1245	A. G. Leip. II. 11769	42 15	8 55	29.0	1.57	9.2... 9.2	5.58	A 2	
13659	A 899	A. G. Nico. 5894	42 35	-1 19	37.8	3.62	7.5...14.5	4.76	A 2	
13660	A 1246	A. G. Leiden 10120	46 4	31 14	93.7	0.76	8.4...11.5	5.83	A 2	
13661	A 1247	A. G. Leip. I. 9464	46 56	12 19	321.8	0.24	9.0... 9.4	5.71	A 3	
13662	A 900	DM (72°) 1127	52 22	72 18	103.7	0.31	7.8... 8.3	4.62	A 3	
13663	A 1248	DM (74°) 1056	55 0	74 57	246.4	0.82	9.8...10.5	4.61	A 2	
13664	A 1249	A. G. Leip. II. 11859	57 28	10 13	239.9	0.33	9.0... 9.7	5.55	A 3	
13665	A 1250	A. G. Camb. 14432	23 59 43	29 32	90.2	0.44	8.2...10.5	5.86	A 3	









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